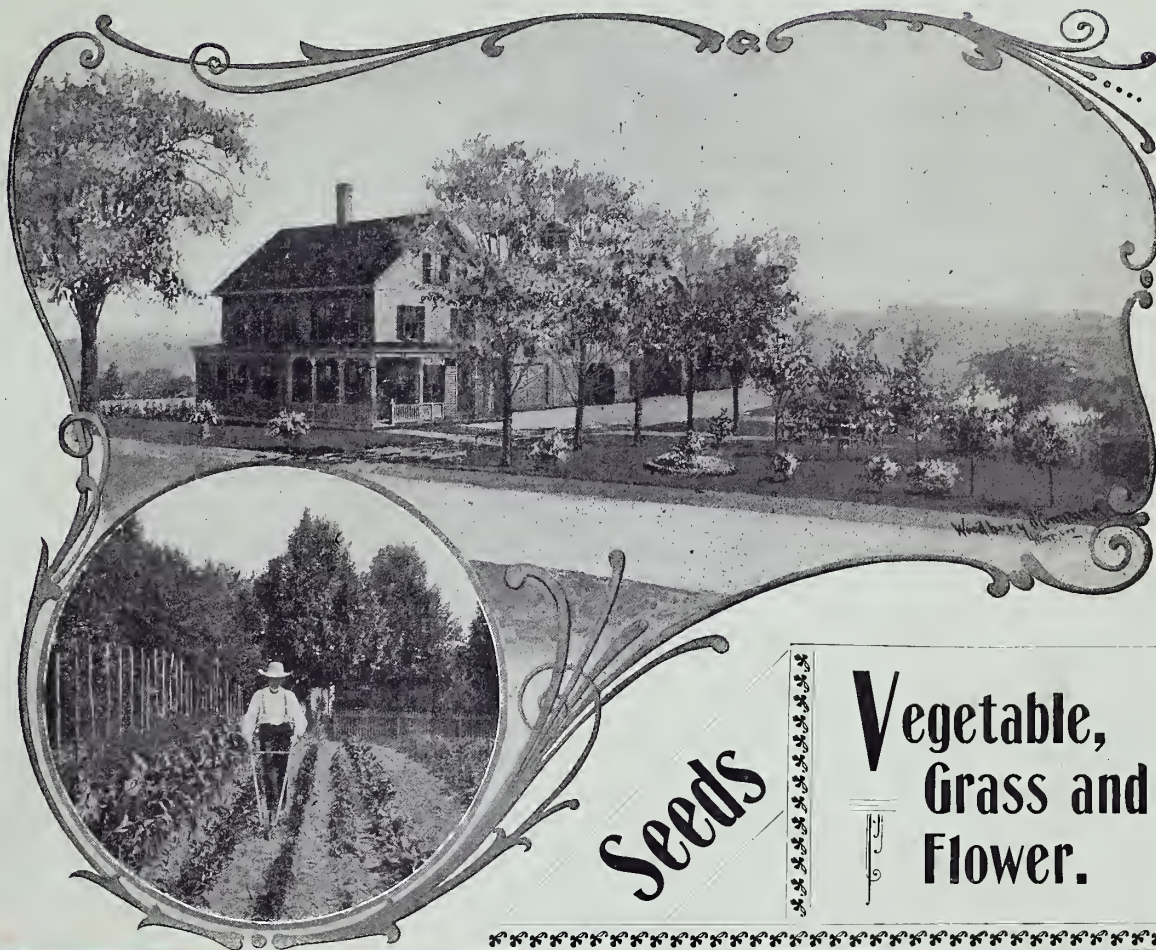


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7899 6239
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BOTANY
SEED LABORATORY
Spring and Summer of 1899.



Ross Brothers

We Sell

every tool necessary for
the cultivation of the
smallest garden and
the largest farm.

Worcester, Mass.



NEW RASPBERRY,

The Cumberland.

The "Business Black-Cap."

Largest Black Raspberry Known.

✂ ✂ Fruit sold for 10 cts. per quart when other varieties were selling for 5 to 7 cts. ✂ ✂ ✂

We quote the introducers' description and claims for this wonderful new berry.

"This new Raspberry is placed upon the market after having been thoroughly tried for a long period of years. It originated some nine years ago with Mr. David Miller, a life-long horticulturist and fruit grower, located near Harrisburg, Pa., who has during all this time carefully and thoroughly tested it under all conditions. It is now offered with the full assurance that it is THE MOST PROFITABLE AND DESIRABLE MARKET VARIETY YET KNOWN, because of its IMMENSE SIZE, FIRMNESS AND GREAT PRODUCTIVENESS, well entitling it to the above designation of "THE BUSINESS BLACK-CAP." It qualities we take up in what we consider the order of their importance, mentioning first of all that of

Hardiness.—The CUMBERLAND has undergone a temperature of 16 degrees below zero, unprotected, without injury—a temperature which badly crippled similarly situated plants of Gregg, Shaffer, Cuthbert, etc.

Productiveness.—The CUMBERLAND is of wonderful productiveness, producing regularly and uniformly very large crops. In size, the fruit is simply enormous, far surpassing any other variety. The berries run seven-eighths and fifteen-sixteenths of an inch in diameter, and a prominent Harrisburg fruit dealer sold for 10 cents per quart when other varieties were selling for 5 cents to 7 cents per quart.

Quality.—In quality it is similar and fully equal to Gregg, which has always been considered the finest of the Black-caps in this respect.

Firmness.—In spite of its extremely large size, the CUMBERLAND is possessed of unusual firmness, and is thus well adapted for standing long shipments.

The season of ripening varies, of course, in different latitudes, but can be best designated by comparison with other varieties. It follows Palmer and Souhegan (or Tyler), and precedes Gregg a short time, making it what we may call a midseason variety.

Vigor and Healthfulness.—The CUMBERLAND is an unusually strong and vigorous grower, throwing up stout, stocky canes, well adapted for supporting their loads of large fruit.

Limited space does not permit us to quote in full any of the many testimonials which are written regarding the Cumberland, but the following are a few of the expressions made by prominent fruit growers, dealers and nurserymen: "The largest black raspberry I have ever seen." "I have never seen anything to equal your Cumberland Raspberry." "This Cumberland is really a marvel." "With regard to its standing 16 degrees below zero, I am pleased to say it shows no sign of injury." "Certainly one of the finest that we ever saw"

PRICE—One, postpaid, 15c.; dozen, \$1.25. Dozen, express, \$1.10; 100, express, \$8.00.

The New : "Iceberg."

The Paradox of the Fruit World. A Scientifically Bred, Pedigreed Berry. Raised by Luther Burbank, the "Wizard of Horticulture," whose originations have world-wide fame and value.

WHITE BLACKBERRY "ICEBERG."

The following is Mr. Burbank's own description, and its accuracy will be vouched for by all who know him, as he is commendably conservative in all that he says about his creations. In his desire to mislead no one, he leans rather toward under-rating than exaggerating the value of his originations. He says:

"Owing to the somewhat unsatisfactory qualities of White Blackberries so far known, the impression may have been entertained by some that no White Blackberry could be as productive and hardy, with berries as early, abundant, large, handsome and delicious, as the best black ones.

"The well-known Lawton is, when ripened, unsurpassed, and very generally known as the most productive market berry. Owing to its fixity of race, it will reproduce itself from seed almost exactly, and its seedlings will not be influenced, when raised from seed pollinated by other varieties, but it readily imparts its good qualities when employed as the staminate parent. One of the great grandparents of 'Iceberg' was Lawton. The first generation of seedlings, when crossed with Crystal White, was all black; the second also, though varying much in other respects; but the third produced this wonderful plant, bearing the snowiest white berries ever seen.

"Very little attention was paid to the long rows of cross-bred descendants, until one day this berry was discovered, among its black relatives, with the canes bending in various directions with their load of delicious, snowy berries, which are not only white, but so transparent that the seeds, which are unusually small, may be seen in the berries when ripe. "Clusters, larger than those of Lawton; berries, as near as could be judged, were at least as large, earlier, sweeter, and more tender and melting throughout, though as firm as Lawton is when ripe."

PRICE—One, postpaid, 20 cts.; dozen, \$1.25; dozen, express, \$1.15; 100, express, \$9.00; second size, \$7.00.

From (PROF.) EMORY E. SMITH,
Leland Sanford, Jr. University, Cal.:

"I can still see in my mind's eye those magnificent hybrid berries in your experiment grounds, but I feel I cannot fully appreciate your work, for it would take weeks, rather than hours, to give the experiments the careful inspection which they deserve."



The Burbank Lily. ✨

ANOTHER OF MR. BURBANK'S WONDERFUL CREATIONS. FOR DESCRIPTION, SEE PAGE 16.

Looking Forward to the Year 1899.

THE year just past is one long to be remembered, and it is very gratifying to us to be able to report a very satisfactory season, as our trade on Garden Seed was beyond our expectations. The wet weather during April and May somewhat reduced the sale on seed used for forage crops, and our trouble with Spain also had a bad effect on trade for a time. In the midst of our rush in May, three of our men were suddenly called to the front to defend our Nation and our Flag, and for a time our office work was somewhat behind. We are pleased to state that our men were privileged to return, and we were never in better shape to handle our orders than at the present time. Our seed stock never looked better, and as all will be tested as to the germination before sending out, we feel sure of satisfying those who favor us with their business this season. We have some new tools to offer, and, as in former years, we sell nothing without our guarantee goes with it.

We have unsolicited testimonials from all over New England and far into the West from parties who tried our seeds and tools for the first time last year.

We do not attempt to show the large variety of seed found in some catalogues, as a large part of them are only experiments on some old varieties under a different name. Our collection includes everything that has merit and is known to be worthy of a trial, while our assortment of Garden and Farming Tools is unequalled by any house in New England, and we claim to furnish anything necessary for the smallest garden and the largest farm. No order so small that we do not give it careful attention, and no order too large for us to reach with price.

Orders from both old and new customers will receive the same careful attention that they have received in the past, and we take this opportunity to thank those who favored us with their orders the past year, and hope for a continuance of your favors.

Respectfully,

ROSS BROTHERS.

WHAT WE GUARANTEE.

That all seeds sold by us shall be as represented; should they prove otherwise, we will refill the order gratis, but we cannot guarantee the crop further, as there are so many causes over which we have no control, that, let seeds be ever so fresh, weather and circumstances may cause a total failure, and while we use the greatest care to have all seeds pure and reliable, we do not give any warrant, expressed or implied. If the purchaser does not except the seeds on these terms they must be returned at once, and the money paid for them will be refunded.

BAGS USED IN SHIPPING SEED.

All bags used in shipping seed will be charged at the following prices: Two bushel, 25c.; one bushel, 20c.; one-half bushel, 15c.; one peck, 10c.; which can be returned at the same price at any time inside of 60 days, provided they are in good order and have not been used for any other purpose. If returned by express, charges must be prepaid.

HOW TO ORDER GOODS.

Parties at a distance ordering seed can send postage stamps, if the order does not exceed \$2.00. Never order goods by freight to be sent C. O. D.; if goods are ordered to be sent by express, the amount of express must be enclosed as a guarantee of payment. Cash must always accompany the order for plants.

ORDER EARLY

as the seed season continues only a few months, there is of course a great pressure of business, and therefore if our customers will send their orders as soon as possible after this catalogue is received, they will be more sure of prompt attention.

..... SPECIAL NOTICE TO CORRESPONDENTS.

We earnestly request our correspondents to be particular to give their NAMES and POST-OFFICE ADDRESS distinctly written. We often receive letters lacking this most important requisite. Address all orders to

ROSS BROS., 162 Front St., Worcester, Mass.

BEANS.—3 Varieties of the Horticultural Type that are Not Equalled by any in Cultivation.

THE CRIMSON BEAUTY.

BY TEST THE EARLIEST OF
TWENTY-THREE VARIETIES.

When we catalogued this variety last season we made very strong claims for it, based on our faith in the introducers and on a limited trial of it the previous season on our own grounds. Referring to this trial, we said that the season was a very unfavorable one for the bean crop in this section, and that the Crimson Beauty was the ONLY ONE that amounted to anything, even the Rhode Island Half Bush being a failure, a variety which we had previously thought would stand adverse weather better than any of its class. We also quoted from the introducers catalogue the opinion of Mr. C. E. Knapp, N. Bennington, Vt., who wrote them: "Your Crimson Beauty is the EARLIEST OF TWENTY-THREE long podded varieties which I have raised, and is VERY PRODUCTIVE." This bean was originated by Mr. Gibson of Ashburnham, Mass., and introduced to the trade by a western seed firm, from whom we obtain our stock seed. Mr. Gibson said of it at the time of its introduction: "The CRIMSON BEAUTY is a cross between the BOSTON FAVORITE and an extremely early variety of Wax Bean. Its extreme earliness, great productiveness, long brilliantly marked pods, very large, handsome seed of the finest quality, make the Crimson Beauty unequalled as a first early shell bean for home use or market. * * * Every one who saw my crop wanted some of the seed." And later: "Another season the Crimson Beauty has covered itself with glory; have had to refuse many market and private gardeners seed for their own gardening and referred them to you. * * * They were pronounced by those who used them the best green shell beans they ever ate."

Another year's trial and the favorable reports we receive from those who planted this bean, not only confirm but strengthen our belief that this is ALTOGETHER THE BEST variety of the Bush Horticultural beans. In addition to its earliness and great productiveness, we were especially impressed with its extreme vigor, hardiness, and freedom from rust.

The past season was another unfavorable one for beans, not only in the east but throughout the country, the crop being an entire failure in many places. It was, however, one favorable to show the superiority of the Crimson Beauty over all others of the Horticultural Bush sorts in HARDINESS, FREEDOM FROM RUST, AND THE MERIT OF PRODUCING BRILLIANTLY COLORED PODS, in spite of unfavorable weather. We confidently recommend the Crimson Beauty as the one above all others for a green shelled bean for the market gardener to plant, feeling sure that its showy appearance and great productiveness will make it EASIER TO SELL and MORE PROFITABLE TO GROW than any other variety, and we are just as confident that its many excellent qualities will make it equally desirable for the home garden. It is with great regret that we are obliged to say that our stock is quite limited. We unfortunately placed all of our stock-seed in the hands of one grower in a section where most varieties were an entire failure, and notwithstanding that all we have said about the productiveness of this bean under unfavorable circumstances is true; they were so much adverse that even this did not produce nearly what we hoped for. We have, in consequence, only a small amount to offer. (This is also true of the following two varieties, and we suggest to those intending to order that they do so early, as our stock of each will be quickly exhausted when once trade opens.) Pkt. 15c.; pt. 30c.; qt. 50c.

Messrs. O. H. Judd & Son, of South Hadley Falls, write: "We used a peck of Crimson Beauty Beans last year that we obtained from you for trial, and were very much pleased with them. The coloring was good, and also the shape and the yield excellent. We picked OVER 50 BUSHEL FROM 10 ROWS 5 RODS LONG."

Messrs. C. W. Patt & Son, of Auburn, R. I., to whom we sent last season one-half bushel, write: "The Crimson Beauty Beans are good—all right"

The Improved Goddard or Boston's Favorite Bean.

Just the Bean Needed to Follow the Preceding Variety.

Since its introduction the Goddard has always been a popular second-early sort. Its hardiness, vigor, large beans, and long, straight, handsome, bright-colored pods making it so, but it has always had the vexing habit of running badly, a trait which prevented its use by some.

In the Improved Goddard we have, however, a strain which the introducers claim is entirely free from this objectionable feature, and in our trials we have found this true. It will be found to be an excellent variety to follow the Beauty, and we especially recommend it for that purpose. Stock very limited. Pkt. 10c.; pt. 20c.; qt. 30c.; 2 qts. 55c.; $\frac{1}{2}$ pk. \$1.00.

THE WORCESTER MAMMOTH POLE BEAN.

Mammoth Beans, Beautiful Pods. Healthy Vines, Larger, Handsomer,
More Productive, and Sells Better than any other Bean.

We have made strong claims for this bean in the past, and the results which followed its use warrant us in still claiming it to be THE BEST POLE BEAN IN CULTIVATION. The vines are remarkably strong and vigorous, free from blight and climb the poles well. The pods are very large. The ground of the pods is creamy white, very heavily flaked with beautiful carmine. The peculiar richness and beauty of this coloring of the pods make this the SHOWIEST OF ALL the Horticultural varieties and the BEST SELLING POLE BEAN KNOWN. The beans have the general appearance of all the Horticultural beans, but are of mammoth size. The quality is of the best, which, with its size and productiveness, make it as desirable for the home garden as for market. We believe the Worcester Mammoth will entirely supersede the old Pole Horticultural when once tried. If planted in the kitchen garden in connection with the preceding two varieties, the three will afford for a long season continued good picking, enabling the very many who are extremely fond of that DELICIOUS dish known as "Cranberry Beans" to have the cream of it at any time during the season. Market gardeners also will find this combination a suggestion worth following.

Our crop was almost a failure. We have only a limited quantity to offer. Early orders only will secure them. Pkt. 15c.; pt. 30c.; qt. 50c.

Seiberts Early Lima Bean.

Introduced by D. M. Ferry & Co. whose description of it follows: "The earliest true Lima. This variety was developed by a market gardener who selected the largest green beans from the thinnest and most easily opened pods. Practical value to the market gardener has been the object aimed at in the development of this grand bean, and we believe it to be the very best sort for their use.

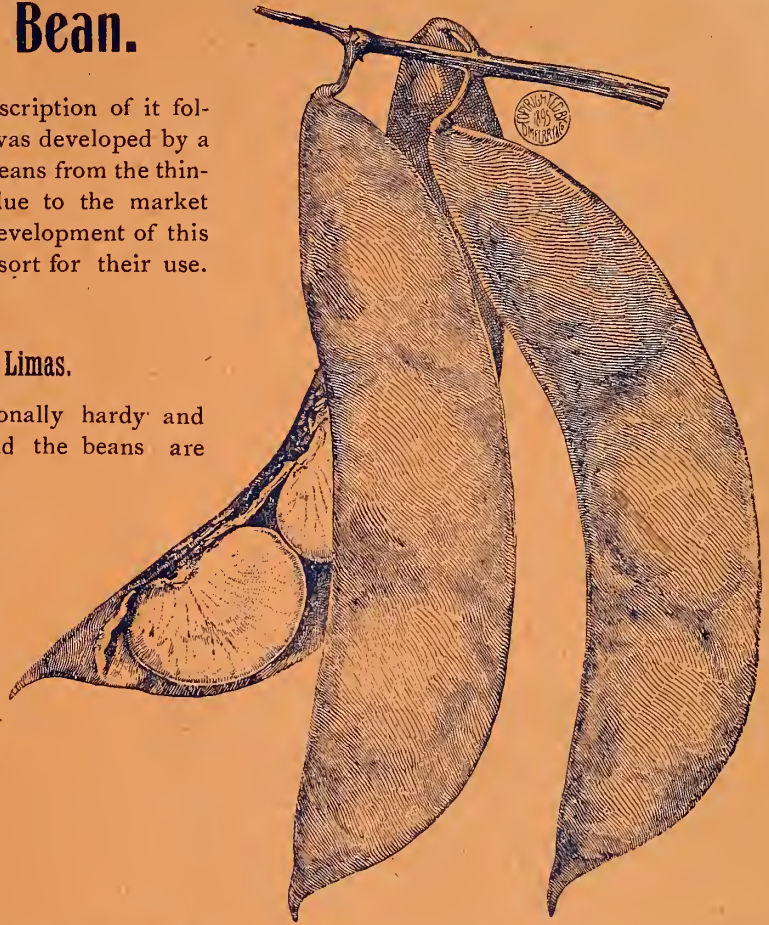
**Furnishes the Largest Green Beans, and
Is the Most Easily Shelled of any of the Limas.**

The vine is very productive and exceptionally hardy and vigorous. It produces pods very early and the beans are of fine quality. The green shelled beans are of immense size but so tender and succulent that they shrink in drying to about the size of the Large White Lima. The best Lima Bean ever

offered. In earliness, ease of shelling, size, beauty and quality of the green beans, this new variety is far in advance of all othersorts

and must come to be recognized as the best of all for either the garden or market."

Pkt. 10c., pt. 20c., qt. 35c., 2 qts. 60c., 1-2 pk. 1.00, pk. 1.75.



DAVIS WHITE KIDNEY WAX.

quality being very brittle and tender. It is an immense bearer, and on account of its showy appearance quickly salable in market. No market gardener will make a mistake in planting largely this variety. Pkt. 10c., pt. 20c., qt. 30c., 2 qts. 50c., 1-2 pk. 85c.

Faust's Early Crimson Beet.

This variety sometimes catalogued as the Mitchell, is one of recent introduction. It is very early; a well known seed firm whose tests we have always considered reliable and impartial, said of it in their catalogue of last season "that it was the earliest in our experimental plot, which included such varieties as Egyptian and Eclipse." It is of a rich dark crimson, of excellent shape, and is tender and sweet.

Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., 1-2 lb. 25c., lb. 45c.

Davis White Kidney Wax Bean.

One of the most popular Wax Beans in Cultivation. Early, Productive and Handsome. Has a Commercial Value as a Dry Bean.

As we predicted when introduced this has become one of the

most popular wax beans. When well grown it is by far the handsomest and of extra



SWEET CORN. 3

Varieties Especially Desirable for the
 Market Gardener.
 None Better for the Home Garden.

FIRST OF ALL CORN.

THIS variety still continues to be the first in the market without exception. In growth more dwarf than the Cory and free from smut. Has, when dry, the general appearance of that sort, although it often has two to four more rows and is, generally, considered of better quality. It is a good yielder, and we consider it by far the most profitable first early sort. Our stock is grown for us in Connecticut, and is the best that can be procured.

Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., 1-2 pk. 65c., pk. 1.00.



KENDEL'S EARLY GIANT SWEET CORN.

THE introducers say of this: "After three years of growing and testing, we can say without exaggeration that 'KENDEL'S EARLY GIANT SWEET CORN' is the largest Early Sweet Corn known.

The accompanying cut was taken from photo of ears grown on high land on stalks from four to five feet high, and needs no further explanation, the foot rule telling the story. Gardeners report the corn ready for use in sixty days grown on sand, and seventy-two days on heavy clay. Dealers and truckers report ready sales and are enthusiastic over its large size and productiveness, as well as its white cob and good eating qualities."

Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., 1-2 pk. 75c., pk. 1.25.

EARLY CHAMPION CORN.

THREE years' trial of this corn has convinced us that it is one of the best. Like Kendel's Giant, it is a very large, early sort; has even a LARGER ear than that variety, and ripens almost with it. We are informed by some of our customers that, owing to the size of the ear, its productiveness and good quality, they use it for general crop as well as for early. We especially recommend it for planting with preceding varieties for succession crops.

Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., 1-2 pk. 75c., pk. 1.25.



CABBAGES! TWO VARIETIES OF UNDOUBTED MERIT. CABBAGES!

DANISH BALL-HEAD.

This variety is grown almost exclusively in Denmark for winter use. It is a wonderfully hard-heading sort and therefore very heavy; it is also a very hardy sort, of good marketable size, of the best quality and a fine keeper. It has, we believe, been improved since first introduced into this country. This strain we offer was grown here by an experienced grower and we believe will not be surpassed by any other offered this season.

Pkt. 10c., $\frac{1}{2}$ oz. 15c., oz. 25c., 2 oz. 40c. $\frac{1}{4}$ lb. 75c., lb. 2.50

TRY AT LEAST A LITTLE OF EACH.

HOLLANDER.

This is also an imported variety; as its name indicates originated in Holland where it is as popular as the Ball-Head is in Denmark, and like that variety heads very hard. It is one of the hardiest cabbages in cultivation, enduring frost and drought that would destroy other varieties. It is late in maturing, a good keeper and of the finest quality. Similar characteristics have lead some to claim that this is identical with the Danish Ball-Head; we believe, however, that it is distinct. Pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c., $\frac{1}{4}$ lb. 70c., lb. 2.50

THEY ARE BOTH WORTHY A TRIAL.

Golden Self-Blanching, or Paris Golden Celery.

Still the Leader of the Self-Blanching Varieties.

The Golden Self-Blanching cannot be too highly recommended. The beautiful appearance of the plant, with its close habit, compact growth and straight, vigorous stalks, is faithfully shown in the illustration. The ribs are perfectly solid, crisp, brittle and of delicious flavor; while it has the decided merit of being self-blanching to a very remarkable degree. Without banking up or any covering whatever, even the outer ribs become of a handsome, fresh, yellowish-white. The heart is large, solid and of a beautiful, rich, golden-yellow. The leaves also are of a beautiful golden-yellow after the plant has been bleached, which adds greatly to its handsome appearance when prepared for the table. Few varieties can surpass, if, indeed equal the Golden Self-Blanching in striking appearance. One of the most profitable varieties for the market. Our stock is true, coming from France, where it originated.

Pkt. 5c., $\frac{1}{2}$ oz. 20c., oz. 35c., 2 oz. 60c., $\frac{1}{4}$ lb. 1.00.

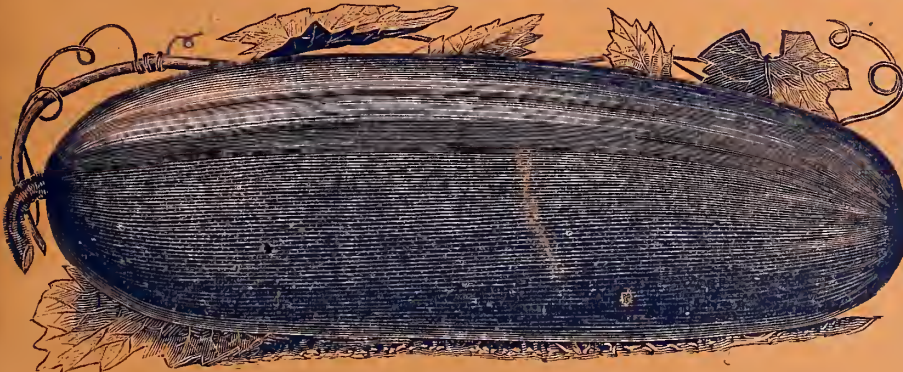
Rose-Ribbed Paris Celery. || The Most Beautiful Variety Ever Introduced.

This variety is similar in general character to the Golden Self-Blanching from which it sprang. It has the same remarkable feature of self-blanching, and like that, is of a beautiful golden-yellow, and differs only in the color of the ribs which are very beautifully tinted with red, and in the size of the stalks which are a little larger. It is stout, vigorous and compact in growth, has broad leaves the outer ones being dark green which, combined with the rich, wax-yellow of the inner leaves and heart, and the red markings on the ribs make it the MOST BEAUTIFUL OF ANY VARIETY IN CULTIVATION. The stalks are large and practically stringless, very crisp, tender and fine flavored. We believe this variety must become exceedingly popular when once it is known.

Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., 2 oz. 60c., $\frac{1}{4}$ lb. 1.00.



A New Cucumber.--THE EMERALD.



The introducers say of it: "The Emerald retains every good point in the best strains of White Spine, and, in addition, possesses that rich, dark green color which has been so long sought for but never before obtained. It is strictly an evergreen, retaining its color until fully ripe. On sight, its distinct dark green and spineless skin attracts the attention of everyone interested. The fruit sets early, and its vigorous vines abound in long, straight, handsome fruits of the most desirable

qualities. As a slicer the flesh is peculiarly crisp and tender, and the flavor most pleasing. The young fruit being dark green, straight and tender, makes an excellent pickle, and when ripe none excels it for making sweet pickles.

Pkt. 10c., oz. 25c.

TRUE GLOBE SHAPED ONIONS.

THE MONEY MAKERS.

TO this part of our seed business we have always given special attention, and our increasing trade year after year in these seeds has convinced us that our efforts in this direction have been appreciated and that we should be well repaid for any reasonable expense we might incur in trying to secure the **BEST SEED GROWN**. The stock from which a part of the seed we offer was grown, was selected by us personally, the balance of the seed was grown from selected onions by some of the most reliable growers in New England. Of two facts we are positive: that the True Globe Shaped Onion is the one to grow for profit and that the seed we offer is the best that can be procured. We believe that the **BEST IS ONLY GOOD ENOUGH**. The drouth in California and the opposite but unfavorable weather in the east has resulted in a very light crop of seed, the Red Globe particularly being almost a failure, prices therefore have considerably advanced from those of last year, and while quality rather than price has always been our first consideration, still we have no desire to be exorbitant in our prices, and believe we are offering seed as low as good seed can be sold and better seed at lower prices than many are asking for seed of inferior quality.

To those who consider price rather than quality we wish to say that in our general list will be found a price on the Yellow Globe Danvers, California grown, which we believe will be found to be as low as the best seed from that section can be sold. This strain will produce what many would call very fine onions but which are not equal in shape, weight or color to those produced by our seed grown from the true Globe Shaped onions in the east.

Yellow Globe Danvers.—This strain has been developed from the old so called Globe Danvers into a true globe shape very similar to the Southport Yellow Globe differing only in that it is a trifle flatter on top and bottom and a little earlier. The prejudice which some seem to have against globe onions on account of their lateness is, in our opinion, an unfounded one, as from years of personal observation we have learned that they are early enough to ripen in any section where onions can be grown from seed, and produce more bushels of better onions than the flat sorts. Particular attention is paid in the selection of the bulbs from which this strain is grown to securing those with a small top and thoroughly ripe ones, consequently we have a strain which for earliness will compare favorably with any of the large growing sorts. We are also particular to select bulbs of a uniform deep rich yellow with a thin but tough skin. Onions raised from this strain will be found to be good keepers, of excellent quality and very solid and heavy. Pkt. 5c., 1-2 oz. 12c., oz. 20c., 2 oz. 35c., 1-4 lb. 65c., lb. 2.00.

Southport Large Red Globe.—This variety is, in our opinion, the handsomest in cultivation. It is perfect in shape, small necked and of beautiful color. It has also the quality of being a good keeper, and is thought by some to be of milder and better flavor than the Yellow sorts. A little later than the preceding. Pkt. 5c., 1-2 oz. 15c., oz. 25c., 2 oz. 45c., 1-4 lb. 75c., lb. 2.50.

Southport White Globe.—Also a very attractive onion and, while not cultivated to any great extent, brings the highest price in all markets. The only white sort which we ever knew to be even a fair keeper. Pkt. 5c., 1-2 oz. 15c., oz. 25c., 2 oz. 45c., 1-4 lb. 80c., lb. 2.75.

Southport Yellow Globe.—Similar in shape to the Southport Red and White and varying but little from the True Globe Danvers. Largely grown in Connecticut, and should be more generally cultivated everywhere. Pkt. 5c., 1-2 oz. 12c., oz. 20c., 2 oz. 35c., 1-4 lb. 60c., lb. 2.00.

Early Red Globe.—**TRUE SHAPE.**—This onion differs from most strains known as Early Red Globe, in being true globe shape, the others being merely thick flat ones. It is about ten days earlier than the Southport, not quite as large but of good marketable size; ripens uniformly; of good color; fine grained and tender. It is, in fact, altogether the best Early Red we have ever seen. Pkt. 5c., 1-2 oz. 15c., oz. 25c., 2 oz. 45c., 1-4 lb. 75c., lb. 2.50.

Early Yellow Cracker.—(Private Stock.)—We offer this variety because we have some demand for an extra early yellow onion, and this has that merit; it is also the best of all the yellow onions in quality. We recommend a small planting of it in localities near markets where a fine early onion is desired, but suggest that it be harvested as soon as ripe and carefully handled as it is very tender. The strain we offer was grown by a local gardener who has had for years a reputation in our markets as a grower of these onions and who has this year a small surplus of seed. Pkt. 5c., 1-2 oz. 15c., oz. 25c., 2 oz. 40c., 1-4 lb. 75c., lb. 2.50.



LONG KEEPING.. AUSTRALIAN BROWN ONION.

Claimed by the Introducers to be The Most Valuable Variety Introduced in a Generation.



They describe it as follows: "THE AUSTRALIAN BROWN ONION is of medium size; wonderfully hard and solid, and most attractive for market, both as to form and appearance.

The illustration was engraved from a photograph. They are extremely early in ripening and never make any stiff necks or scallions. Every seed seems to produce a good-sized onion, and the bulb begins to form very quickly—when the plant is not over three inches high. Planted with the Red Wethersfield, it proved to be nearly four weeks earlier and ripened off more uniformly. It has the reputation of keeping indefinitely, and we think from its firmness and hardness that it will keep in good condition longer than any other onion known. The color of the skin is a clear amber-brown. So widely contrasted from any other onion is this color that it will be noticed on the market, and when once bought, purchasers will be most likely to return and call again for "those beautiful brown onions." Pkt. 10c., 1-2 oz. 14c., oz. 20c., 2 oz. 30c., 1-4 lb. 50c., lb. 1.75.

The introducers calling our attention to a sample letter say that "we have received the strongest testimony from different sections as to the great value for market of the Australian Brown Onion. It has been tested so generally, that although we have space for but for one sample report, we are sure of a large demand again this season from the thousands who tried it on our recommendation.

Unlike other foreign varieties, this is the best keeper of all onions, and being extra early it is a sure cropper even in the far north."

MR. HERMAN BLUEBER, Albuquerque, N. M., September 8, 1897, writes: "Yours of September 1st quoting onion seed came duly to hand, price being satisfactory. Please send by mail four pounds of AUSTRALIAN BROWN ONION seed and keep in reserve for me twelve pounds of the same Australian Brown Onion seed that I will want from you to be shipped with other seeds that I will order from you next winter for spring. Please let me know if I can depend upon you keeping same for me, for I think it THE BEST ONION that I have ever seen or raised in my twenty years of gardening, and want to sow them exclusively for keeping."

A NEW PEA. NOTT'S PERFECTION.

Claimed by the Originator, Mr. Richard Nott, that it is Superior to that Excellent Pea, The Nott's Excelsior.

Mr. Richard Nott, of Burlington, Vt., who introduced to the world the Excelsior, recognized by all authority to be altogether the best variety of its class, has, as the result of careful labor, developed another somewhat similar variety which he claims is an improvement on the Excelsior. To many who have a high opinion of that variety such a result would hardly seem possible, but one who has sent out such a superior pea as the Excelsior is certainly entitled to great consideration when he claims to have an improvement, especially when both are creations of his own. The Perfection is introduced this year to the trade for the first time by Mr. Nott whose brief description is as follows:

"I again invite attention to my latest and best WRINKLED PEA, NOTT'S PERFECTION, a fine lot of which was grown the past season. I have been carefully developing this pea since my Excelsior was sent out several years ago, and I can confidently recommend it as superior to the Excelsior, good as that variety is now universally admitted to be. It combines the best qualities of its parent stocks (Premium Gem and Nott's Excelsior) with many distinct merits of its own. It is quite as early as the Excelsior, harder, more productive, and of finer quality. Grows from 14 to 16 inches high, and pods liberally, each pod containing from 6 to 8 fine large peas, remarkably sweet and rich in flavor."

We strongly advise a trial of this by every one interested in pea culture. Pkt. 15c., pt. 30c., qt. 50c.



A NEW PEA. Gregory's Surprise.

This variety was introduced by the veteran seedsmen, Jas. J. H. Gregory & Son, whose description we quote. IT IS THE VERY EARLIEST OF THE WRINKLED VARIETIES—the Station, Eclipse, American Wonder and Nott's Excelsior not excepted. Compared with the early hard sorts it will be found to be decidedly earlier than many of them, including the well known Alpha and Maud S., while it is as early as the very earliest of them. Vines grow 24 inches high and need no bushing; pods well filled, containing 6 or 7 peas; not as large as the American Wonder, but is a far better cropper and ready for the market days before it. Gregory's Surprise is one of Mr. Horsford's creations, he having obtained it by crossing "Earliest of All" on the "American Wonder," and the result is a wrinkled pea as early as the "Earliest of All" with the quality of the Wonder. If it has the hardness of its parent, Earliest of All, the knell of the early class of hard peas has struck, for the public well know that they are inferior in quality, and will cease buying them as soon as they can find a wrinkled pea in the market. Pkt. 10c., pt. 20c., qt. 40c., 2 qts. 70c., 1-2 pk. 1.25, pk. 2.25.

ANOTHER NEW PEA. THE GRADUS.

One of the Greatest Acquisitions and the Most Attractive Novelty for Years.
Nearly as Early as the Earliest. Nearly as Large as the Largest.

THIS new wonderful variety combines, in a surprising degree, two characteristics which are much sought after by practical growers of peas, these are **EARLINESS** and **EXCELLENCE OF QUALITY**, and when in addition to these two most desirable features we find a third which is as nearly desirable, that is **LARGE SIZE**, we have a pea which, to say the least, is remarkable. Such a variety we have in the **Gradus**. Ripening but a few days after the first early sorts it is of the most delicious flavor, tender and sweet. In habit of growth the vines are vigorous and stocky; from $2\frac{1}{2}$ to 3 feet in height, resembling the Telephone in general appearance but dwarfer. The pods also resemble that variety in size, shape and color, and are better filled with large peas. All in all it is truly a wonderful pea and well worthy a place in every garden. We predict a great demand for it when once it is known. This variety seems to be identical with that which was sold last season as the **Prosperity**. Pkt. 15c., pt. 25c., qt. 40c., 2 qts. 70c., $\frac{1}{2}$ pk. 1.25, pk. 2.25.

ALLAN'S DWARF TELEPHONE PEA.

This new variety introduced last season was bred by the Allan Seed Co., of Picton, Ontario, Canada, whose claims and description is as follows:

"HAVING for a long time realized the value of a pea with dwarf vines bearing large handsome pods with peas of highest quality without the long vines of the Telephone, more dwarf than the Stratagem, and what is the most important of all, regular and uniform in growth, without the tendency to sport that has caused so much annoyance and loss to those who have grown the Stratagem, we have for years been breeding up a pea that will fill the above requirements, and now offer for the first time under the name of **Allan's Dwarf Telephone**. Height: under high culture, eighteen inches. Habit: dwarf, stocky, healthy and vigorous, remarkably uniform in height with almost no tendency to sport, very productive, plants frequently bearing from five to seven pods. Season: medium, from five to seven days earlier than the Stratagem. Pods: long, frequently five inches in length, broad, straight, rounded or curved at the end, remarkably well filled, often containing ten peas, color, pale green, thick and of good lasting quality for market purposes. Seed of largest size, tender and of delicious flavor when fit for the table, light green and much shrivelled when dry. We offer this pea to our customers as it is sure to become exceedingly popular, and confidently recommend it to the trade as it will fill a long felt want." Pkt. 15c., pt. 25c., qt. 40c., 2 qts. 75c., $\frac{1}{2}$ pk. 1.25, pk. 2.25.



NOTT'S EXCELSIOR PEA.

The Best Pea of its
Class in Cultivation.

EARLY, PRODUCTIVE, UNIFORM IN GROWTH, OF EXCELLENT QUALITY, AND THE ONLY VARIETY OF ITS HEIGHT POPULAR WITH MARKET GARDENERS.

THIS remarkable pea resembles in habit the Premium Gen, but is more dwarf and uniform in growth, and in height midway between that variety and the American Wonder. It is as early as the latter and more productive than either, while the pods are larger and better filled. It is equal to either in delicate flavor, tenderness and quality, and well deserves the popularity which it has acquired. It is already largely planted for market and its use for that purpose is certain to increase. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., $\frac{1}{2}$ pk. 75c., pk. 1.40.

THE EUREKA ENSILAGE CORN.



THE
BEST
OF
ALL.

Will Produce More Tons of Ensilage Per Acre Than Any Other Variety in Cultivation.



NOTHING which we have introduced or sold has met with a more hearty appreciation than the Eureka Ensilage Corn, and the many favorable reports which we have received from our customers of last season have convinced us that we have never given this corn the attention it deserved. Our trade has steadily increased year by year, but was much larger the past season; in fact, the demand considerably exceeded the supply, and we were regretfully obliged to refuse orders. This variety was obtained by carefully selecting for fifteen years from the True Southern White the stalks which produced the largest amount of foliage and greatest number of ears, with the result, a variety which, with proper fertilizing, will grow from fourteen to eighteen feet high, and often have four and five ears to the stalk and one SUPERIOR TO ANY OTHER variety for ensilage. This selection was made by one of the most reliable growers in Virginia, and who, since its introduction, has continued to grow seed especially for us. Since its introduction there has been an evident improvement in it in regard to earliness, which was particularly noticeable the past season. While it would not be practicable to try to ripen seed here, yet the possibility of so doing was made apparent to us by the following incident: At the time of cutting last season, we were at a field which had a remarkable growth and which had eared well. We brought back to our store a few ears which, for an experiment, we husked and hung up to dry, and where they still remain, having small kernels, but which are as hard and dry as need be and which would probably germinate. We mention this incident showing the improvement in earliness, because many desire that a variety shall be early enough to produce ears well toward maturity, and we feel that if there has ever been any objection to this corn because it was late, it has been removed by this late improvement. Our stock of seed this year is much larger than ever before, and is up to the usual high standard in quality. Bushel, \$2.00; 3 bushel, \$5.00. No charge for bags.

We have entire control of this corn, and parties not buying direct from us should make sure that those from whom they buy obtain their supply from us.

Limited space does not allow us to give the many testimonials which we have, but we append a letter from Mr. M. H. Leavens, proprietor of Tower Hill Farm, Grafton, Mass., a photograph of whose field will be found on back cover.

MESSRS. ROSS BROS., Worcester, Mass.

Jan. 23, '99.

Gentlemen,—The Eureka corn that we raised last summer proved superior to any variety that we have ever seen. Its growth was certainly remarkable. We had a little over four acres and a half of it, and of this three acres averaged sixteen feet in height. The tallest that we measured was seventeen feet four inches. We took great pains to have fair weighings, and found the yield to be *thirty-eight tons per acre*. The corn eared out well, and made an excellent quality of silage, which we are now feeding to our stock.

Yours very truly,

GEO. D. LEAVENS, Manager.

POTATOES

CHOICE SEED GROWN IN

Aroostook County, Maine, and Jefferson County, N. Y.

PROGRESSIVE FARMERS CHANGE SEED OFTEN—AND MAKE MONEY.

READERS of our Catalogue in previous years will remember that we have always strongly advocated the planting of Maine grown potatoes, but they will also remember that we said in our catalogue of last year that owing to the previous unfavorable season it was impossible for us to procure choice stock of all varieties in Maine, and we thought it advisable to use good stock from New York rather than any that was doubtful or inferior from Maine, and we accordingly handled for the first time seed potatoes grown in Jefferson County, New York. Our experience with them was quite satisfactory and convinced us that it made no difference from which locality we procured our stock so that we got that which was good and true to name. We have, therefore, based all purchases this season on that experience and have bought, and shall probably in the future buy in both localities, striving always to get the choicest stock of all varieties regardless in which of the two localities we find it. The market is growing firmer and prices are slowly advancing; some varieties are also somewhat short, and while prices will probably not change materially they are all subject to change without notice if the market advances to a considerable extent.

The Cambridge Russet.

Not since the introduction of the old Early Rose has there been offered an entirely new potato that is entirely distinct from any other kind and that could be told from other varieties by the casual observer.

In describing the Russet we wish first to call your attention to its personal appearance. The Russet is a thing of beauty, in that it is the handsomest potato ever produced. Far more attractive in appearance than the Freeman, and the finest eating potato ever placed on the table. The tubers are round to oblong in shape, eyes flush with the surface, so there is no waste in paring, and the skin is russet-brown in color covered with a fine velvet-work as though designed for a choice pattern of lace. The tubers are to the touch as velvet, and will bring on any market from five to ten cents per bushel more than common stock. They run very uniform in size, no large overgrown ones, absolutely no hollow ones, and they are as free from small potatoes as are Carmans, Rural New Yorker No. 2, or potatoes of that class.

The Russets are more productive than any other potato, early or late. Planted under similar conditions they have out-yielded all the standard sorts and all the novelties with which they have been tested. They ripen with the other late sorts, grow a large, rank, dark, rich green vine, and have proven absolutely blight and drought proof. When other varieties in the same neighborhood were dying down with blight and drought, the Russets maintained their brilliant green till October and then ripened as they should. Every farmer who wishes to be called progressive and to keep up with the times, should plant freely of this wonderful new potato. Pk. 40c., bush. 1.50, bbl. 3.75.



THE CAMBRIDGE Russet.

New Queen.—Very closely resembles the Beauty of Hebron, but is considerably earlier, A grand yielder, of extra quality; a very popular sort and deservedly so. Wherever the old Early Hebron made a good record when first grown, there the New Queen will give the best of satisfaction. Pk. 35c., bush. 1.35, bbl. 3.25.

Beauty of Hebron.—This well known standard variety continues to be very popular. Skin white slightly flushed at eye. Pk. 35c., bush. 1.35, bbl. 3.25.

Hampden Beauty.—Originated in Vermont; a sport of the Beauty of Hebron. A little later than that variety. Skin white, slightly rough; cooks mealy, and is one of the showiest potatoes grown. Pk. 35c., bush. 1.35, bbl. 3.25.

Early Maine.—A seedling of the Early Rose, but the skin is whiter and is several days earlier. They are not only more smooth, more productive, and of better quality than the Rose, but in our opinion far superior in every way. Pk. 35c., bush. 1.35, bbl. 3.25.

Polaris.—One of the earliest white varieties, resembles the Hampden Beauty; a popular potato in all sections. Pk. 35c., bush. 1.35, bbl. 3.25.

Early Sunrise.—In our opinion one of the very best Early Rose varieties, as it is a seedling of the old Early Rose. The tubers are long and handsome, very productive and of fine quality. Pk. 35c., bush. 1.35, bbl. 3.25.

Early Rose.—This standard variety needs no description; it is sufficient to say that most new early varieties are compared with this in point of earliness and quality. Pk. 35c., bush. 1.35, bbl. 3.25.

Clark's No. 1.—Thought by some to be earlier and more productive than the Rose; similar in appearance. Pk. 35c., bush. 1.35, bbl. 3.25.

Early Essex.—A very popular potato in Massachusetts and Connecticut. Not as well known in other localities. Resembles the Rose, of good size and of excellent quality. Pk. 35c., bush. 1.35, bbl. 3.25.

Pearl of Savoy.—A cross between Clark's No. 1 and Early Vermont. Resembles the Early Rose. Popular throughout New England. Pk. 35c., bush. 1.35, bbl. 3.25.

Early Norther.—Very similar to its parent the Early Rose, and from all reports at hand it has outyielded that old sort two to one. They have yielded, with ordinary culture, as high as 150 bushels from one barrel planted, and in New England several fields have yielded at the rate of 400 bushels per acre. They have given first class satisfaction on Long Island and in New Jersey, or wherever they have been tested by truckers. Trifle earlier than the Early Rose, and more uniform in size and shape. Pk. 35c., bush. 1.35, bbl. 3.25.

Henderson's Sir Walter Raleigh.—Originated by Elbert S. Carman of the Rural New Yorker, and is of the same class as Mr. Carman's other white potatoes such as Carman No. 3, Carman No. 1, and Rural New Yorker No. 2, but is claimed to contain more new fresh blood, a finer eating quality and to be a better yielder than any of them. Pk. 40c., bush. 1.50, bbl. 3.75.

Great Divide.—Claimed by the introducers to be the most robust growing, heaviest yielding, longest keeping

and best shipping main crop potato. Vines vigorous, leaves dark green. Tubers oblong with white skin, cooks well and is a great yielder. Pk. 40c., bush. 1.40, bbl. 3.50.

White Elephant, or Late Beauty of Hebron.—An old standard variety identical in appearance with the Early Hebron but later, a good yielder and a fine cooker. Has been a general favorite. Pk. 35c., bush. 1.35, bbl. 3.25.

White Star.—Another old variety which has been extensively cultivated. Skin white and very smooth. A large yielder. Pk. 35c., bush. 1.35, bbl. 3.25.

Maggie Murphy.—A comparatively new potato that is a decided acquisition to the potato family. The shape is flattened oblong, with smooth eyes, resembling the Rural New Yorker in many respects with the exception of color. It is a bright red and the season is late. We recommend this as a good late red variety for general field culture. Pk. 40c., bush. 1.40, bbl. 3.50.

Carman No. 3.—Originated by Elbert S. Carman, Editor-in-Chief of the Rural New Yorker, the leading authority on potatoes in the United States. Mr. Carman says of this variety: "First, it is the handsomest round white potato ever produced; second, it will outyield any potato of its class; third, practically every potato is of merchantable size; fourth, its table qualities are up to the highest standard." It has yielded over six hundred bushels per acre, and in one instance twenty-two acres have produced 7,600 bushels. The vines grow very large and vigorous; rich dark green in color and are not troubled by blight or bugs, as are a good many varieties. Pk. 40c., bush. 1.40, bbl. 3.50.



CARMAN No. 3.

THE GEM OF AROOSTOOK.

This new main crop potato introduced last season is a seedling of that popular variety, New Queen, about one week later; flesh light; shape oval; grows larger than the Queen, is an immense yielder, of finest quality and very handsome. Claimed by the introducers to be one of the soundest and best winter keepers and the BEST ALL-ROUND potato ever introduced by them. We have only a limited quantity which we grew in this locality from seed purchased of the introducers. Packed by mail, postpaid, 45c., $\frac{1}{2}$ pk. 60 cts.

NEW SQUASH THE GOLDEN HUBBARD.

This is a very distinct sort of the shape and general character of the Hubbard but a little smaller; earlier to mature and a rich orange red instead of the dark olive green of the old Hubbard, while the flesh is a little deeper colored and of fully as good quality. The Golden Hubbard was by far the finest grained, best flavored and dryest squash we grew last season. Pkt. 10c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. 1.25.



GOLDEN HUBBARD.

GREEN MOUNTAIN SQUASH.

The introducers say of this squash: "This sterling novelty originated in Northern Vermont and we think it the best winter squash of recent introduction. Although somewhat like the Hubbard, this grand variety differs materially from that old and popular sort in being superior in point of size as well as in sweetness and color of flesh. The fruit is uniformly round, symmetrical and larger than the Hubbard, and has a beautiful netting of darker green instead of the wartiness of that variety. The rind is thin but hard and the flesh very deep orange red, without any of the objectionable green tinge near the rind, so common in the best winter sorts. It cooks very quickly and evenly and is the best of all squashes for pies. The vine is hardy, early and certain to mature the large crop it produces." Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.



THE WARREN SQUASH.

This variety was discovered a few years ago in a field of Essex Hybrid, three squashes being found on one vine which, while having the general form of that variety were yet quite distinct from the rest in that they had rough, warty and thicker shells and were of richer color. The seeds of this variety were planted and the type fixed. It became a popular sort at once and is now grown extensively for Boston markets. The wartiness, thickness and hardness of the shell, and the richer, deeper color are not the only improvement, for the quality is decidedly better. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

The Imperial Tomato.

The originator, a market gardener, says of it: "My experience with it is that it is the earliest, most solid, and most productive, perfectly smooth tomato on the market. It ripens evenly, is the best flavored and more than twice as productive as any other known variety. In 1895, with only common field culture, I grew 7000 bushels of ripe, selected New Imperials from less than 4500 plants, or one and one-half bushels to a plant on an average; this season I picked from a single plant three pecks of ripe Imperials, and this was at the 5th or 6th picking, and I left more than three pecks of green ones on the plant. It is the handsomest tomato grown; I always get first premium at the fairs. Any person who wants the Best Tomato will buy the Imperial."

A reliable western seedman after a trial of it says: "In productiveness it is a wonder, second to none either early or late. Vines continued to grow and produce wonderfully until killed by the frost, and then there was more green fruit than most varieties bear in a whole season. Wherever a market demands a purple tomato the IMPERIAL is the one for the market gardener to plant, even to his whole ground. It's a good one. It ripens from two to three weeks earlier than the Dwarf Champion, and will produce more fruit of better color, larger size and far better quality before a single specimen of Dwarf Champion is ripe than the latter will produce in a whole season."

Pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c.

TWO EXTRA EARLY TURNIPS.

WHITE MILAN. The earliest, showiest and best early white turnip ever offered to the trade. The pure white roots are very smooth and handsome, tops are small, upright and compact allowing close planting. It is withall tender and sweet. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., $\frac{1}{2}$ lb. 40c., lb. 75c.

PURPLE TOP MILAN. Similar to the White Milan but roots are a little flatter and purplish red on top. This also is a very showy and excellent sort, and we believe the earliest turnip in cultivation. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., $\frac{1}{2}$ lb. 40c., lb. 75c.



PURPLE TOP MILAN.

New Millet.

THE JAPANESE
BARNYARD GRASS.

{ *Panicum*
CrusGalli. }

THIS wonderful New Millet was imported from Japan by Prof. Brooks of Mass. Agricultural College. Trials of it here have convinced many that it is A GREAT ACQUISITION, and the demand for seed is fast increasing. Valuable as a green fodder crop, and used by some for ensilage with satisfactory results. The straw chopped, moistened, and sprinkled with meal, is readily eaten by cattle and horses. It is of very rank and vigorous growth—from six to seven feet in height—with much larger leaves than the Golden or German Millet, and a far heavier cropper than either. It seems to be an abundant seeder, although the supply is yet somewhat limited. The seed is claimed by some to be equal in value to corn meal as a milk producer, and to be an excellent food for poultry. We are confident that it is a decided acquisition to our list of grasses, and that it should be sown by every dairy-farmer who grows green-fodder crops. Sow from the fifteenth of May to first of July; broadcast 25 lbs per acre; in drills, 15 lbs. Price per pound, 12c.; by mail, postpaid, 20c; 3 pounds by mail, postpaid, 50c; 15 pounds or over, 10c. per pound, by express.

Purchasers can make sure of securing seed that is genuine by buying of us, as we obtained our supply directly of Prof. Brooks.

COLLECTIONS.

The following collections are all put up before our busy season; no change can be allowed in them, and at the low prices at which we offer them we can not allow any other discount to apply on them.

Our Collections are exactly
what we claim for them :



Best Seeds, Full-Sized Packages at Special Prices.

Collections of Sweet Peas.

THE SPECIAL—10 Varieties—25c.

THE FAVORITE—13 Varieties—35c.

THE WORCESTER—29 Varieties—75c.

Each by mail, postpaid.—See page 15.

No. 1 COLLECTION OF FLOWER SEEDS, 50 CENTS.

Seventeen choice varieties worth at catalogue rates 95c.

Aster, Alyssum, Balsam, Bachelor Button, Calendula, Calliope, Candytuft, New Brazilian Morning Glory, Sweet Mignonette, Nasturtium, Pansy, Petunia, Phlox, Poppy, Portulaca, China Pink, Zinnia.

✱ SEE SPECIAL OFFER ON PAGE 17. ✱

Seeds in Packets and Ounces.

No 1. COLLECTION OF VEGETABLE SEEDS, 50 CTS.

Seventeen Packages of standard vegetable seeds worth at catalogue rates 95 cents.

Beans, Currie's Rust Proof Wax; Beet, Eclipse; Cabbage, Stonemason; Carrot, Danvers; Corn, First of All; Cucumber, White Spine; Cucumber, Boston Pickling; Lettuce, Silesia; Lettuce, Hanson; Muskmelon, New Cosmopolitan; Watermelon, New Sweetheart; Onion, Choice Danvers; Radish, Scarlet Globe; Squash, Summer Crookneck; Squash, New Chicago Hubbard; Tomato, Dwarf Champion; Turnip, White Egg.

No. 2 COLLECTION OF VEGETABLE SEEDS, \$1.00.

Thirty-five packages vegetable seeds worth at catalogue rates \$2.05.

This collection includes the preceding collection with the addition of the following eighteen varieties, making a complete assortment.

Beans, Worcester Mammoth; Beet, Edmands; Cabbage, Peerless; Cabbage, All Seasons; Celery, White Plume; Corn, Evergreen; Carrot, Long Orange; Parsnip, Hollow Crown; Pepper, Bell; Peas, Nott's Excelsior; Peas, Improved Stratagem; Pumpkin, Sugar; Radish, Long Scarlet; Sage, Broad Leaf; Spinach, Round; Squash, Mammoth; Turnip, Sweet German; Tomato, Perfection.

The Farm Journal.

interest you. The *Farm Journal* gives no chromos, puffs no swindles, inserts no humbug advertisements, and does not devote one-half its space to telling how good the other half is. It is published monthly, and the regular price has been 50 cents a year, but by using the Coupon it can be secured for five years for 50 cents. In our opinion, no other paper approaches to this liberal offer, giving so much for so little. (If more Coupons are wanted by your friends, write us.)

We take it, read it, and like it, and are glad to speak a good word for it. Read carefully the Coupon enclosed in this Catalogue. Take our advice and send for it. It has articles in it that will

New Dwarf Sweet Pea === PINK ✦ CUPID.

This little wonder, like the original Cupid, hails from California. It is not a sport from the original White Cupid, but an actual departure from its parent, the tall Blanche Ferry. In habit and manner of growth it is strictly a Cupid, spreading from the root, from a foot to eighteen inches around, growing from six to eight inches high, and shooting up stems about six inches long, which bear, in full bloom at once, from three to four handsome blossoms, all borne close to the end of the stem.

The standard is a bright rose-pink, while the wings are pure white or light pink. The wings are very large and finely formed; when pressed back against the standard they extend fully a quarter of an inch beyond it.

The substance of the blossom is peculiarly heavy and it will appear fresh and vigorous in a glass of water long after its long-stemmed parent has withered and died. The plant itself is vigorous and hardy, and those who had poor or indifferent success with the White Cupid will find PINK CUPID EASY TO GROW ANYWHERE. The seed which is black, is of wonderfully strong germination, and the plant an early bloomer, coming into bloom simultaneously with White Cupid.

It is also delightfully fragrant, and will be admired by every one who sees it. Pkt. 10c., oz. 25c.



A Single Plant, Exactly Engraved from a Photograph.

Two New Giant Flowered Sweet Peas--The Best of all the Recent Introductions.

"BLANCHE BURPEE"

Eckford's Giant White Sweet Pea.

A white seeded, pure white of exquisite form and immense size, having a bold, rigid, upright, shell-shaped standard of great substance; is a wonderfully profuse bloomer and absolutely free from the objectionable notch so conspicuous in Queen of England. It usually bears three flowers on a stem; a very chaste variety, and by far the finest White Sweet Pea ever produced. Pkt. 5c., oz. 10c., 1-4 lb. 25c.



AURORA.

It is impossible to over-praise the striking beauty of this gigantic-flowered new Sweet Pea. The flowers are of fine substance, full expanded form (as shown in the illustration), and are truly gigantic in size. The immense flowers are borne

three and four on a stem; the stems are extra long and strong. The vines are vigorous in growth and bloom most profusely. The color effect is gorgeous; both standard and wings are flaked and striped on a white ground, with bright orange-salmon.

Pkt. 5c., oz. 10c., 1-4 lb. 25c.



SWEET PEAS.

GENERAL LIST.

each special merit, making it difficult to decide which should have the precedence. This list contains many of the late introductions and all needful varieties to make a complete list of colors and the many various shades and tints which are found in these beautiful flowers. We are in a great measure indebted to that excellent work the *Sweet Pea Review*, published in California by practical growers, for its suggestions as to the arrangement of varieties in color classes, having followed them to a considerable extent, not only regarding color, but also in regard to the retention and discarding of varieties.

All varieties, except where otherwise priced, 5c. per pkt., 10c. per oz., and 25c. per 1/4 lb.

White.

- 1 Blanche Burpee
- 2 Emily Henderson
- 3 Mrs. Sankey

Yellow.

- 4 Golden Gleam.
- 5 Mrs. Eckford
- 6 Primrose

Pink.

- 7 Prima Donna
- 8 Lovely
- 9 Blushing Beauty.
- 10 Katherine Tracy
- 11 Mrs. Gladstone

Rose.

- 12 Lady Penzance
- 13 Ovid
- 14 Her Majesty

Scarlet.

- 15 Brilliant
Oz. 15c.; 1/4 lb. 40c.
- 16 Firefly
- 17 Cardinal

Crimson.

- 18 Mars

Between Scarlet and Crimson.

- 19 Prince Edward of York
Oz. 15c.; 1/4 lb. 40c.
- 20 Princess Victoria

Approaching Blue.

- 21 Captain of the Blues

Mauve-Bluish.

- 22 Celestial
- 23 New Countess
- 24 Countess of Radnor

Mauve-Reddish.

- 25 Emily Eckford
- 26 Dorothy Tennant

Magenta.

- 27 Captivation

Claret.

- 28 Duke of Clarence

Deep Maroon and other closely allied tints.

- 29 Shahzada
Pkt. 10c., oz. 20c., 1/4 lb. 50c.
- 30 Stanley
- 31 Boreatton
- 32 Indigo King

Blendings.

Delicate.

- 33 Crown Jewel
- 34 Coquette
- 35 Venus
- 36 Lemon Queen
- 37 Peach Blossom
- 38 Alice Eckford

Standard and wings of slightly different tints.

- 39 Lady Beaconsfield
- 40 Triumph
Pkt. 10c., oz. 20c., 1/4 lb. 50c.
- 41 Countess of Shrewsbury

Flaked and Clouded Effect.

- 42 Royal Rose
- 43 Apple Blossom

Rich Metallic.

- 44 Countess of Powis
Pkt. 10c., oz. 20c., 1/4 lb. 50c.
- 45 Meteor

- 46 Rising Sun
- 47 Orange Prince

Suffused with and Edged with Lavender.

- 48 Lottie Eckford
- 49 Maid of Honor
- 50 Golden Gate
- 51 Butterfly

With Rose.

- 52 Countess of Aberdeen
- 53 Captain Clark

Contrasting Shades—Standards and wings in different tints.

- 54 Little Dorrit
- 55 Extra Early Blanche Ferry
- 56 Duke of York

VARIEGATED.

Orange-Rose.

- 57 Aurora

Rose.

- 58 Mrs. Jos. Chamberlin
- 59 Gaiety

Pink.

- 60 Ramona

Bluish-Mauve.

- 61 Striped Celestial
- 62 Juanita

Speckled Effect.

- 63 Gray Friar

Chocolate and Purplish Mauve.

- 64 Senator

Scarlet and Crimson.

- 65 America
- 66 Daybreak

Dwarf.

- 67 Cupid, white
- 68 Pink Cupid
Pkt. 10c., oz. 25c.

MIXED SWEET PEAS.

OUR CHOICE MIXTURE.

This Choice Mixture is made by us, and contains about sixty NAMED varieties, including both old and new, mixed in right proportions of color, and with the exception of some of the latest highest priced varieties, contains all that is desirable for a choice mixture.

Pkt. 5c., oz. 10c., 2 oz. 15c., 1/4 lb. 25c., lb. 65c.

OUR BEST MIXTURE.

This mixture is made of the large flowering varieties and those of recent introduction. Particular attention is given to the right proportion of colors as well as to the size of the flower. It would be impossible to make a better one with the varieties in cultivation at present, and it will be found on trial to be exactly what we claim—"The Best."

Pkt. 5c., oz. 15c., 2 oz. 25c., 1/4 lb. 35c., lb. \$1.00.

COLLECTIONS OF SWEET PEAS.

Our Special Collection 25c. Consists of 10 Named Varieties of Our Selection.

OUR FAVORITE COLLECTION, 35c.

Consists of the following popular varieties: Aurora, Blanche Burpee, Extra Early Blanche Ferry, New Countess, Firefly, Golden Gleam, Her Majesty, Lovely, Maid of Honor, Royal Rose, Stanley, and Venus, with one pkt. of Pink Cupid—13 pkts. in all. Worth at catalogue rates 70c. By mail, postpaid, 35c.

OUR WORCESTER COLLECTION, 75c.

Consists of the first variety of each class in general list and Pink Cupid, 29 pkts. in all, and one ounce of our Best Mixed.

Worth at catalogue rates, \$1.75. By mail, postpaid, 75c.

The Imperial Japanese Morning Glory.

eter and of every hue and color, some being frilled and ruffled and of peculiar form, both single and double; indeed the beauty and variations are indescribable, and can only be appreciated when seen. Not only the flowers are wonderful in their variation, but the foliage also has the same peculiar and striking habit, being of all shades of green to light yellow, some being variegated with light, almost white, markings, and some with different shades of yellow on dark grounds. The vines are of strong and vigorous habit, growing rapidly and flowering in a few weeks from planting. It is of the easiest culture and one of the best plants for covering unsightly places. Its great beauty entitles it to a place in every collection of flowering annuals, and no flower-lover should fail to plant it. Our stock is made up of seed from different growers, insuring all diversities of color and form possible. Single and double mixed.

Pkt. 10c.; oz. 25c.

EARLY FLOWERING COSMOS.

A few years ago the Cosmos bloomed with the chrysanthemum, and being rather more tender, often died an untimely death by frost just at its first blossoming, so that it was almost useless to plant it in Northern sections, but since this **EARLY FLOWERING** strain has been produced it may now be had in bloom from July to November. It is such a strong, vigorous grower and its fine fringe-like foliage is such a pretty background for its lovely spreading flowers of white, pink, crimson or rosy purple that it can hardly be spared from any garden. It grows with the greatest freedom in any soil, but repays right royally the best care you can give it. It is really one of the most satisfactory annuals. Pkt. 10c.

New Climbing Nasturtiums.

Hybrids of Madame Gunter.

The introducers describe this new wonderful Nasturtium as follows: For richness and variety of colors, these new hybrids have no equal among Nasturtiums. There are shades of rose, salmon, brightest red, pale yellow, either as self colors or spotted and striped. The foliage is mostly dark, and contrasts very effectively with the rich colors. They are climbers and are free and continuous bloomers. Pkt. 10c.; oz. 25c.

BULBS FOR SPRING PLANTING.

New Hybrid ... Lily. **BURBANK.**

VERY HARDY, VERY FRAGRANT, VERY VIGOROUS.

A cross between *Lilium Pardalinum* (Panther Lily or Leopard Lily) and *Lilium Washingtonianum*. Produced by that "Wizard of Horticulture," Luther Burbank.



The beauty and value of this new Lily

can be but faintly shown by either words or illustrations. It must be seen in its maturity and fullest development to be justly appreciated. The originator had the rare success to combine in this hybrid the especially valuable characteristics of both parents. From *L. Washingtonianum* came the wonderful fragrance which is so intense that, with a favorable wind, can often be detected at a distance of four miles. *L. Pardalinum* is very hardy, very free flowering, multiplies very rapidly, and can be successfully grown by anybody and everybody, all of which characteristics are reproduced in the "Burbank." There are many handsome lilies which bloom beautifully the first year or two after planting and then, though not reproducing themselves readily, grow less and less each year and finally die out altogether. With the "Burbank" this is just reversed. The vigor and amount of bloom that are attained the first year, or in the first two years even, do not anywhere nearly equal what is reached after the bulbs have been longer established. Taller spikes, more flowers and larger flowers are produced each season, single bulbs forming, in the course of a few years, grand immense clumps with 1,500 to 2,000 or more blooms from each clump. Single spikes of flowers are from one to three feet long and bear from 25 to 150 individual blossoms. Color of flowers, yellow with brown spots. Because of its hardiness, vigor, fragrance and beauty, but especially on account of the rapidity with which it reproduces itself, the "Burbank" is the lily "for the million." It increases like potatoes, each strong bud bulb counting one, and one usually increases to five or six each season. Single bulbs by mail, postpaid, 30c., four for \$1.00.

Gladiolus.

Scarlet and Red,	per dozen, 35 cents; hundred, 2.00.
Yellow and Orange,	per dozen, 25 cents; hundred, 1.75.
Striped and Variegated,	per dozen, 50 cents; hundred, 3.00.
Choice mixed, all colors,	per dozen, 40 cents; hundred, 2.25.
	per dozen, 25 cents; hundred, 1.75.

Tube Rose.

EXCELSIOR PEARL. Large bulbs, doz. 35c. Second size, doz., 20c. If by mail, add 5c. per doz. Gladiolus the same.

Canna.

THE BURBANK. The New Giant Orchid Flowered Variety. This wonderful new Canna is of the most beautiful canary yellow, spotted on the lower part of inner petals with fine dark red; grows about five feet high and is one of the most beautiful varieties ever introduced. 10 cents each, 6 for 50c.



Tested Seeds That Will Grow.

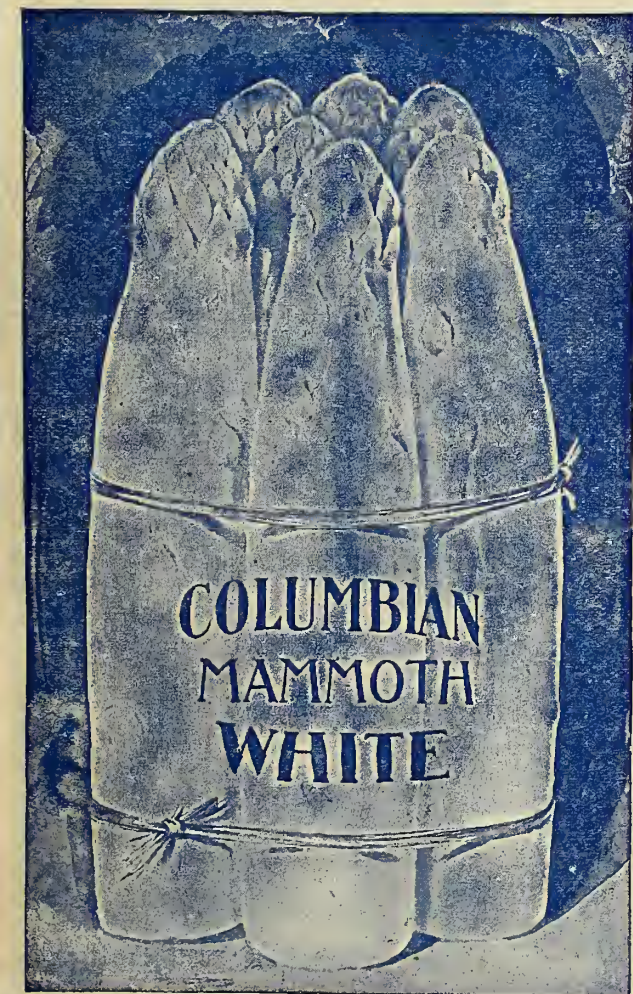


to conduct this branch of our business, in justice both to our large counter trade and to the many customers who annually send us bulk orders to be shipped by express or freight. Both of these classes of our customers buy largely of seeds sold by quart and pint and as it would be impossible for us to deduct the amount of postage from each article (which we should be obliged to do to be fair and just) we therefore cannot in equity, quote prices to include postage.

ASPARAGUS.

CONOVER'S COLOSSAL. An old standard variety, largely grown. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 20c., lb. 60c.

THE PALMETTO. Claimed by the introducers to be much earlier, a better yielder than the Colossal, and more even and regular in growth. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 20c., lb. 75c.



COLUMBIAN MAMMOTH WHITE. A distinct and valuable variety. Stalks are very large and clear white until three or four inches high. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 25c., lb. 80c.

N.B. We Pay Postage on all seeds in packets, ounces and quarter pounds, but postage must be added to all orders above quarter pounds at the rate of 8 cents per pound and by the quart and pint at the rate of 15 cents per quart for Beans and Peas and 10 cents for Corn. Comparison of our prices with those of houses who advertise to prepay postage on all seeds will show that our prices, after postage is added are often lower than theirs. We believe this is the only fair way

Special Offer to Purchasers of Seeds in Packets and Ounces ONLY.

For 25c. seeds may be selected amounting to 30c.	
For 50c. " " " " 65c.	
For \$1 " " " " 1.35.	

Please bear in mind, that this special offer DOES NOT apply to seeds in Bulk, or to collections of packets, but to seeds where price is given for single packets and ounces, and in packets and ounces only. We have intended always to make this offer so plain that there need be no confusion or mistakes, but we have received in past seasons so many orders from parties who seem to infer that this offer applied to seeds in any quantity, and thereby caused a vexatious delay in the shipment, and us the trouble of writing and waiting for a further remittance, that we wish to impress on all that this offer applies to the purchase of flower and vegetable seeds in Packets and Ounces ONLY. We have heretofore only included packets in this offer, but this year make the offer more liberal and include ounces.

Beans, Dwarf, or Bush. Green Podded.

EXTRA EARLY RED VALENTINE. The best of all green-podded string beans. Very early. Pods round, very tender and stringless. A general favorite with market gardeners. Pkt. 10c. pt. 15c., qt. 30c., 2 qts. 50c., $\frac{1}{2}$ pk. 85c., pk. 1.50.

EARLY LONG YELLOW SIX WEEKS. An old standard variety, used both as a string and a shell sort. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., $\frac{1}{2}$ pk. 75c., pk. 1.25.

WARREN BUSH. A comparatively new bean which is highly recommended by those who have tried it; claimed by some to be the best bean in the world for the home garden. Pkt. 8c., pt. 12c. qt. 20c., 2 qts. 40c., $\frac{1}{2}$ pk. 65c., pk. 1.00.

DWARF HORTICULTURAL, OR SPECKLED CRANBERRY. The standard green shell bean throughout New England. Beans round, speckled and of good quality. Pods yellow splashed with red, and when free from rust and blight very showy. Crop almost a failure. Pkt. 10c., pt. 20c., qt. 35c.

BEST OF ALL. Beans similar to the Horticultural in color, but a little smaller. Pods are six inches long, faintly marked with light red, not as bright and handsome as the Horticultural, but on account of the almost entire failure of that variety to perfect a crop, this will be largely used in its place. It is of excellent quality and yields well. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., 1-2 pk. 80c., pk. 1.50.

GODDARD, OR BOSTON FAVORITE. Vines large, of vigorous branching habit often baying short runners. Beans similar in color to all Horticultural varieties but longer. Pods long, yellow splashed with crimson; very attractive and equal in size to many pole beans. Later than preceding varieties. Pkt. 10c., pt. 15c., qt. 30c., 2 qts. 50c., 1-2 pk. 85c.

IMPROVED GODDARD. Like the preceding but entirely free from runners. See special description page 2. Crop light. Pkt. 10c., pt. 20c., qt. 30c., 2 qts. 55c., 1-2 pk. 1.00.

Beans. Dwarf or Bush, Wax Podded.

If by mail add for postage at the rate of 15 cents per quart.

IMPROVED GOLDEN WAX. Possesses all the good points of the Golden Wax, has a larger pod and yields much better. Entirely free from strings at all stages of growth. Pkt. 10c., pt. 15c., qt. 30c., 2 qts. 50c., 1-2 pk. 80c., pk. 1.40.

DETROIT GOLDEN WAX. An excellent variety. Plants hardy, erect and productive. Leaves large, dark green. Pods straight, flat, but thick; broader than the Golden Wax, often greenish yellow when young, but of beautiful wax color when grown to a size suitable for use, keep crisp and bright long after picking. very seldom rust and are of good quality. Beans white with a patch of brown about the eye similar in shape to the White Marrow, and equally as good for baking. A desirable feature of this variety is that if not used as a string bean, it can, owing to its size, be used as a green shelled bean. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., 1-2 pk. 75c., pk. 1.25.

BLACK, or GERMAN WAX. One of the oldest wax sorts called by many Butter Beans. Pods round, meaty, tender, and of finest flavor, but small. More liable to rust than other good varieties, but when free from rust and blight, few varieties equal it in quality. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., 1-2 pk. 75c., pk. 1.25.



GOLDEN EYE WAX.

GOLDEN EYE WAX. We consider this variety one of the best wax beans for the market gardener. Although not equal in quality to some others; its hardness, entire freedom from rust, earliness and productiveness make it a profitable variety. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., 1-2 pk. 75c., pk. 1.25.

DAVIS WHITE KIDNEY WAX.

Claimed by the introducers to be "earlier, hardier, more prolific hand-somer, and a better seller than any of all the wax varieties." Pkt. 10c., pt. 20c., qt. 30c., 2 qts. 50c., 1-2 pk. 85c. See page 3.

CURRIE'S RUST PROOF BLACK WAX. Beans brownish black. Pods flat, of good length, showy and of fine quality. Well merits the name of rust proof. Pkt. 10c., pt. 20c., qt. 30c., 2 qts. 50c., 1-2 pk. 85c.

VALENTINE WAX. A new variety with strong claims for its good qualities, which the introducers say are extra earliness, fixed type, tenderness, quality, freedom from rust and remarkable productiveness; pods are round and meaty. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., 1-2 pk. 80c.

DWARF OR BUSH LIMA BEANS.

HENDERSON'S BUSH LIMA. This variety is especially valuable on account of its earliness; a bush form of the early Sieva Lima, and has the small beans of that variety. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., 1-2 pk. 85c., pk. 1.50.

DREER'S BUSH LIMA. A bush form of the Dreer's Improved Lima, which is considered by many the best of all Limas. Pkt. 10c., pt. 15c., qt. 30c., 2 qts. 50c., 1-2 pk. 90c., pk. 1.60.



KIDNEY WAX. Kidney form; color white with dashes of light purple about a white eye. A valuable variety. Pkt. 10c., pt. 15c., qt. 30c., 2 qts. 50c., 1-2 pk. 85.

BEANS.—Pole or Running.

HORTICULTURAL, or SPECKLED CRANBERRY. A well known standard variety. Beans similar to Dwarf Horticultural. Pkt. 10c., pt. 20c., qt. 30c., 2 qt. 55c., 1-2 pk. 90c., pk. 1.60.

WORCESTER MAMMOTH HORTICULTURAL. Vines vigorous and healthy. Beans very large. Pods of the richest carmine. The most productive and handsomest bean known. See page 2. Pkt. 15c., pt. 30c., qt. 50c.

DUTCH CASEKNIFE. An old, well-known variety. Beans white, flat, kidney-shaped; pods very long. Pkt. 10c., pt. 20c., qt. 30c., 2 qts. 55c., 1-2 pk. 1.00, pk. 1.60.

INDIAN CHIEF or BLACK WAX. One of the best wax pole sorts, remains in bearing longer than the Dwarf Wax. Beans large, round, black. Pods of waxy yellow, remaining in good condition longer than most varieties. Pkt. 10c., pt. 20c., qt. 30c., 2 qts. 55c., 1-2 pk. 1.00, pk. 1.60.

LIMA VARIETIES.—Pole.

EARLY JERSEY LIMA. Earlier than the large Lima. Pkt. 10c., pt. 20c., qt. 30c., 2 qt. 55c., 1-2 pk. 1.00, pk. 1.75.

LARGE LIMA. More largely grown than any other Lima. Pkt. 10c., pt. 20c., qt. 30c., 2 qts. 55c., 1-2 pk. 1.00, pk. 1.75.

DREER'S IMPROVED LIMA. Beans of medium size, short and much thicker than the Large Lima. Pkt. 10c., pt. 15c., qt. 30c., 2 qts. 55c., 1-2 pk. 1.00, pk. 1.75.



BURPEE'S BUSH LIMA. A bush form of the large Lima; grows uniformly dwarf and equal in size and quality to the large Lima. We consider this the best of the dwarf Limas. Pkt. 10c., pt. 20c., qt. 35c., 2 qts. 60c., 1-2 pk. \$1.00.

KING OF THE GARDEN LIMA. Claimed to be an improvement on the Large Lima. Pkt. 10c., pt. 20c., qt. 30c., 2 qts. 55c., 1-2 pk. 1.00, pk. 1.75.

HORTICULTURAL LIMA. A Cross between Dreer's Improved Lima and the Dwarf Horticultural, having the shape of the former and the color of the latter. Pkt. 10c., pt. 15c., qt., 25c., 2 qt. 40c., 1-2 pk. 75c., pk. 1.25.

Beets.

EARLY EGYPTIAN TURNIP. A standard sort. The earliest of all beets; large and flat; of a deep crimson; tops very small, which permits it to be planted closer than other sorts. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1-4 lb. 20c., 1-2 lb. 25c., lb. 45c.

CROSBY'S IMPROVED EGYPTIAN. Similar to the preceding variety, but of much better form. Without exception the best first early variety for market gardeners. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1-4 lb. 20c., 1-2 lb. 30c., lb. 60c.

BASTIANS BLOOD TURNIP. Nearly, if not quite as early as the Egyptian. Will grow larger, (though not over large), is remarkably sweet and tender, but of lighter color than most other varieties. Very popular with some of our market gardeners. Pkt. 5c., ozs. 10c., 2 ozs. 15c., $\frac{1}{2}$ lb. 20c., 1-2 lb. 25c., lb. 45c.

FAUST'S EARLY CRIMSON. Sometimes catalogued as Mitchell's beet. An excellent first early sort, as its name indicates, of deep color. See special description page 3. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1-4 lb. 20c., 1-2 lb. 25c., lb. 45c.

EARLY ECLIPSE. When introduced claimed to be as early as the Egyptian; did not prove to be, but is only a little later.

Roots are bright red, and of uniform globe shape, fine grained and delicious flavor. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1-4 lb. 20c., 1-2 lb. 25c., lb. 45c.

DETROIT DARK RED. A new variety, for which much is claimed. Similar to the Eclipse in form, of deep color, has small tops, and is of good quality. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1-4 lb. 20c., 1-2 lb. 25c., lb. 45c.

ARLINGTON FAVORITE. A fine early variety, good for either home or market use, has very small tops, roots deep red, of good form and excellent quality. Popular in Boston market, coming in after Crosby's Egyptian. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1-4 lb. 20c., 1-2 lb. 25c., lb. 45c.

EDMAND'S BLOOD TURNIP. An excellent variety, of more globular form than the Dewing and of very dark color, medium early and one of the best for general or late crop. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1-4 lb. 20c., 1-2 lb. 25c., lb. 45c.

DEWING'S IMPROVED BLOOD TURNIP. A standard sort. An improvement on the old Blood Turnip. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1-4 lb. 20c., 1-2 lb. 25c., lb. 45c.

SWISS CHARD. Used for greens only. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1-4 lb. 20c., 1-2 lb. 25c., lb. 45c.

SUGAR BEETS AND MANGEL WURZELS.

LANE'S SUGAR. An improvement on the old White French and recommended as hardier, and as containing a larger percentage of sugar. 1-4 lb. 15c., lb. 40c.

MAMMOTH LONG RED MANGEL. A long variety, of mammoth size; color light red, flesh white, and rose colored. Grows well out of ground; extensively used in all sections. 1-4 lb. 15c., lb. 40c.

NORBITON GIANT LONG RED. Similar to the preceding; has smaller top and neck, flesh scarlet. 1-4 lb. 15c., lb. 40c.

GOLDEN TANKARD. Top and neck very small, roots ovoid and large; flesh yellow, zoned with white, an excellent sort. 1-4 lb. 15c., lb. 40c.

ORANGE GLOBE. One of the best; top small, roots medium size, color of skin deep orange yellow, flesh white. Grows almost entirely out of the ground; good for shallow ground, easy to harvest. 1-4 lb. 15c., lb. 40c.

RED GLOBE. Similar to preceding except color, which is light red or pink. 1-4 lb. 15c., lb. 40c.

BROCCOLI WHITE CAPE. Pkt. 10c., 1-2 oz. 25c., oz. 40c.

BRUSSELS SPROUTS. Pkt. 5c., oz. 15c., 2 ozs. 25c., 1-4 lb. 40c.

Cabbage.

EARLY JERSEY WAKEFIELD. The standard early variety. Heads conical, very compact and solid. Can be set closer than most varieties. Pkt. 5c., 1-2 oz. 12c., oz. 20c., 2 ozs. 35c., 1-4 lb. 60c., lb. 2.00.

HENDERSON'S EARLY SUMMER. The earliest large heading cabbage; grows compact, so that it may be set nearly as close as the smaller sorts. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 ozs. 25c., 1-4 lb. 40c., lb. 1.50.

HENDERSON'S SUCCESSION. Claimed by the introducers when first put on the market to be "the finest cabbage in existence." Very similar to that excellent variety, the All Seasons. Matures about ten days later than the Early Summer. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 ozs. 25c., 1-4 lb. 40c., lb. 1.50.

ALL SEASONS. (Sometimes called Vandergaw.) This variety, as its name indicates, makes both a splendid early and late variety. It forms a fine, large, hard head of superior quality, not bursting after heading; the heads are of great thickness, which makes it a capital sort to keep through the winter. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 ozs. 25c., 1-4 lb. 40c., lb. 1.50.

EARLY WINNINGSTADT. Heads large, cone shaped and solid; one of the very best for all soils. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 ozs. 20c., 1-4 lb. 35c., lb. 1.25.

FOTTLER'S IMPROVED BRUNSWICK. The earliest of the large heading drumheads; in great favor with market gardeners in all sections; used generally as a second early crop. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 ozs. 25c., 1-4 lb. 40c., lb. 1.50.

PREMIUM FLAT DUTCH. A very popular variety; its keeping qualities unsurpassed; large heads, tender, fine flavor; excellent for winter use. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 ozs. 25c., 1-4 lb. 40c., lb. 1.50.

STONE MASON DRUMHEAD. A standard variety; one of the very best for family or market use; solid heads of excellent quality. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 ozs. 25c., 1-4 lb. 40c., lb. 1.50.

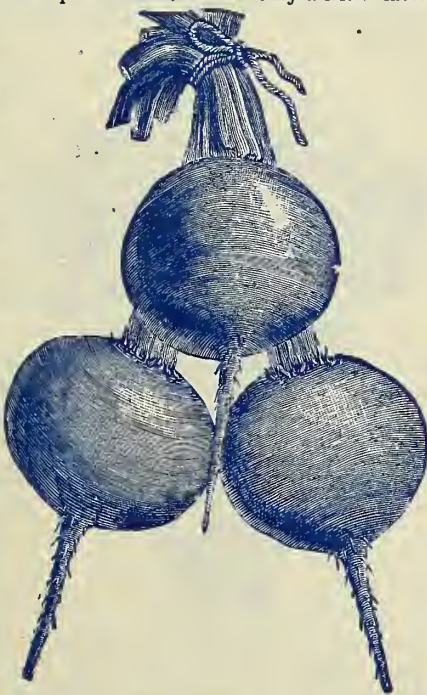
AUTUMN KING. Claimed by the introducers to be the best late cabbage in the country. They say of it: The Autumn King is an entirely distinct variety, and the best keeper we have ever seen; it produces enormous solid heads with such small outer leaves that it can be planted much closer than the ordinary late sorts, and will produce a greater weight of crop per acre than any other variety, from the fact of its producing so few outer leaves and going all to head. A distinct feature of the Autumn King is the peculiarly crimped leaves. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 ozs. 25c., 1-4 lb. 40c., lb. 1.50.

AMERICAN IMPROVED SAVOY. An improvement on the Green Globe Savoy; very reliable for heading. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 ozs. 25c., 1-4 lb. 40c., lb. 1.50.

MARBLEHEAD MAMMOTH. A late variety, the largest of all cabbages; heads have been grown weighing sixty pounds. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 ozs. 25c., 1-4 lb. 40c., lb. 1.50.

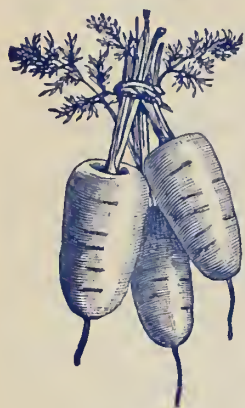
MAMMOTH ROCK RED. Claimed to be by far the best, largest and surest heading Red Cabbage ever introduced. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 ozs. 25c., 1-4 lb. 40c., lb. 1.50.

RED DUTCH. Used for pickling. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 ozs. 20c., 1-4 lb. 35c., lb. 1.25.



Early Eclipse.

Carrot.



Scarlet Horn.

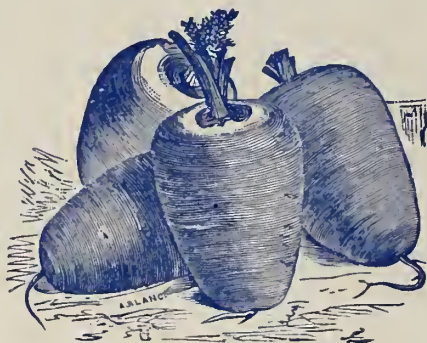
ness. Tops small considering the size of the roots. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

LONG ORANGE IMPROVED. The standard variety for field crops; darker in color and smoother than the old Long Orange. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60c.

GUERANDE, OR OX HEART.

In length, between the Scarlet Horn and Danvers; is thicker at the neck than the latter, and carries its thickness well down toward the bottom. The entire crop can be pulled by hand.

Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.



Guerande Carrot, or Ox Heart.

LARGE WHITE BELGIAN. Extensively grown for stock. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 50c.

CAULIFLOWER.

EARLY SNOWBALL. Grown more extensively than any other variety, both under glass and out door crop. We know of no variety that can compare with it for reliability in heading. It is extra early and has few outer leaves, allowing it to be planted very closely. Pkt. 20c. oz. 2.50.



PARIS. Not as early as the preceding variety. Heads large and compact, of good quality. Pkt. 10c., 1-2 oz. 35c., oz. 60c.

EXTRA EARLY PARIS. Heads large, white, compact and solid, of excellent flavor; a favorite with market gardeners. Pkt. 10c., 1-2 oz. 40c., oz. 75c.

HALF EARLY

Celery.

A very popular variety and the best of all the self-blanching sorts. See special description, page 5. Pkt. 5c., 1-2 oz. 20c., oz. 35c., 2 oz. 60c., 1-4 lb. 1.00.

WHITE

PLUME.

Also a self-blanching sort; earlier, of not quite so good quality as the preceding, but very popular and is grown extensively in all sections.

Pkt. 5c., 1-2 oz. 12c., oz. 20c., 2 oz. 35c., 1-4 lb. 60c.

PINK

PLUME.

Similar to the preceding, but the stocks are beautifully tinged or suffused with pink. Of better quality, having to some extent the nutty flavor and crispness which all the red celeries have. Pkt. 5c., 1-2 oz. 15c., oz. 25c., 2 oz. 40c., 1-4 lb. 75c.

GOLDEN SELF-BLANCHING.



Golden Self-Blanching.



Giant Pascal.

BOSTON MARKET

An old standard variety, for many years grown more extensively for Boston market than any other variety. It is noted for its tenderness and excellent flavor. It is peculiar in its growth forming a cluster of heads instead of a single large one. Pkt. 5c., 1-2 oz. 12c., oz. 20c., 2 oz. 35c., 1-4 lb. 60c.

BOSTON MARKET

Selected stock, Arlington grown. Pkt. 10c., 1-2 oz. 25c., oz. 40c., 2 oz. 75c., 1-4 lb. 1.25.

GIANT PASCAL.

This is a green-leaved variety which was developed from the Golden Self-Blanching in France. It is much larger, a better keeper, and of superior flavor. It grows about two feet high, has very broad and thick stocks, which are stringless. It has a peculiarly sweet and nutty flavor entirely free from any bitter taste. It blanches very quickly after banking up. We believe it to be altogether the best late variety. Pkt. 5c., 1-2 oz. 12c., oz. 20c., 2 oz. 35c., 1-4 lb. 60c.

Celery—Continued.

DWARF GOLDEN HEART. A distinct variety and one of the most popular old varieties with market gardeners. It is very solid, an excellent keeper, and of fine nutty flavor. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 oz. 25c., 1-4 lb. 40c.

CRAWFORD HALF DWARF. An old favorite sort. When blanched is of yellowish white and is entirely solid, possessing the nutty flavor peculiar to the dwarf kinds, while it has much more vigor of growth, surpassing most of the large growing sorts in weight. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 oz. 25c., 1-4 lb. 40c.

CELERIAC. (Turnip-Rooted Celery.)

ERFURT GIANT. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 oz. 25c., 1-4 lb. 40c.

CRESS, OR PEPPER GRASS.

CURLED. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c.

Corn.

THE FIRST OF ALL. As its name indicates the earliest of any variety. A selection of the Cory, a very little earlier, in this section next in popularity to that well known sort. See page 4. Pkt. 10c. pt. 15c., qt. 25c., 2 qts. 40c., 1-2 pk. 65c., pk. 1.00.

THE CORY. The most popular early variety, cobs mostly red, kernels from deep pinkish cast to white, ears eight-rowed and of fair size, of medium quality and a good yielder. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., 1-2 pk. 65c., pk. 1.00.

WHITE COB CORY. A selection of the preceding which has only pure white kernels and cobs, equally as early, a trifle larger and sweeter. Growing in favor and deservedly so. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., 1-2 pk. 65c., pk. 1.00.

EARLY MINNESOTA. An old standard sort. Kernels white and very large for an early sort. Ears of medium size. Very popular and deservedly so. One of the best early varieties for home use and for market, where quality is considered. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., 1-2 pk. 65c., pk. 1.00.

EARLY CROSBY. An old variety and one of the most popular ones in cultivation, for years the standard early sort in Boston market. It is not really a first early but follows very closely the preceding varieties. Kernels white, small and remarkably sweet and tender. Ears rather short with from twelve to sixteen rows. Stalks of the original strain were small but those of the one which is most used known as the New England strain, and which we here offer are considerably larger as are the ears. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., 1-2 pk., 75c., pk. 1.25.

KENDEL'S EARLY GIANT. A very large variety considering its earliness. Kernels white, ears well filled out and showy; of good quality. See page 4. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., 1-2 pk. 75c., pk. 1.25.

NEW EARLY CHAMPION. It is claimed for this new corn that it is the earliest large sweet corn yet introduced, being only a few days later than the first early small sorts. Twelve-rowed, with pure white kernels. See page 4. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., 1-2 pk. 75c., pk. 1.25.

SHAKER'S EARLY. Claimed when introduced to be as early as Minnesota. We have never found it so, but consider it very early for so large an eared variety. Of good quality. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., 1-2 pk. 65c., pk. 1.00.

MOORE'S EARLY CONCORD. Not quite as early as preceding varieties, but has a very large ear, with twelve to sixteen rows. Popular in New England as a second early sort and often planted for main crop. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., 1-2 pk. 65c., pk. 1.00.

BLACK MEXICAN. A variety when ripe with bluish black kernels, but when in suitable condition for eating cooks white. But few varieties equal it in tenderness and sweetness. Ears of medium size. It is ready for use about with the Concord. Considered by many the best sort for general family use. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., 1-2 pk. 65c., pk. 1.00.

POTTER'S EXCELSIOR, OR SQUANTUM. Known by the first name for years in Boston market, where it was very popular. Used extensively in Rhode Island, where it was named Squantum. Ears of medium size. A standard of excellence in tenderness and sweetness, and is yearly increasing in popularity. Pkt. 10c. pt. 15c., qt. 25c., 2 qts. 40c., 1-2 pk. 65c., pk. 1.00.

COUNTRY GENTLEMEN. A medium late variety of recent introduction, having the irregular rows of the Shoe Peg, or the Ne plus Ultra, and resembling that in other respects, but has a larger ear. Has a very small cob and deep kernel, is tender and sweet; very desirable for the home garden. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., 1-2 pk. 65c., pk. 1.00.

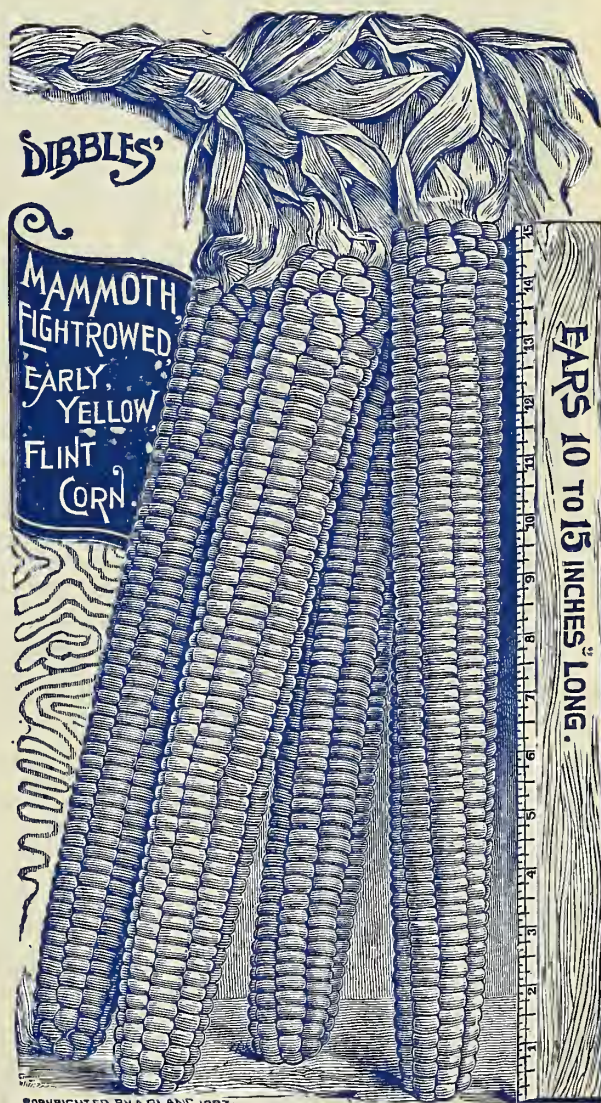
HICKOX. Popular wherever known. About a week earlier than Evergreen. Has a large, attractive ear, kernels of good size, sweet and tender. Remains in condition for use for a long time. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., 1-2 pk. 65c., pk. 1.00.

MARBLEHEAD MAMMOTH. The introducer said of this corn when first put on the market that "Green ears have been exhibited weighing between two and three pounds. It is the earliest, sweetest, and largest of all the Mammoth sweet varieties. Probably no other sweet corn will yield as much fodder, and for this reason it is extensively planted to be fed green or dry." Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., 1-2 pk. 65c., pk. 1.00.

STOWELL'S EVERGREEN. Used more generally than any other late variety. Ears large, kernels very deep and shriveled; very sweet. Claimed by many to be the sweetest corn of all. Pkt. 8c., pt. 12c., qt. 20c., 2 qts. 30c., 1-2 pk. 50c., pk. 75c.

STOWELL'S EVERGREEN. For fodder. Grown more extensively for feeding green than any other variety. Bush. 1.60, 2 bush. 3.00.

Yield 140 to 160 Bushels per Acre with 500
lbs. of Mapes' Corn Manure.



DIBBLE'S MAMMOTH EARLY FLINT. This is a selection of the Longfellow, combining earliness and large size. Under ordinary treatment this has produced some very large crops and has the approval of many large growers. Bush. 1.75; on ear (70 lbs.) 2.00.

Corn.

Field, Fodder
and Ensilage.

EARLY CANADA. Ears small; very early, usually ripening in August; admirably adapted for culture in the Northern States.

Bush. (70 lbs.) on ear, 2.00.

IMPROVED CANADA. Known also as early Demond, Deerfield, Greenfield, or Connecticut Valley. This is really the preceding, bred up to a larger ear. Like that, it is eight rowed and resembles it generally, only that the ears are about two inches longer. It is quite early and is very popular in the Connecticut Valley, where it was first cultivated.

Bush. 1.75, on the ear (70 lbs.) 2.00

LONGFELLOW. An eight-rowed yellow flint sort, with ears ten to twelve inches long. The cob is quite small, with kernels of good size. Considered safe for planting in Massachusetts.

Bush 1.75, on the ear, (70 lbs.) 2.00.

SANFORD WHITE. A white flint variety, used in Rhode Island considerably for grinding, both for stock and culinary purposes, and very extensively used in Vermont for ensilage.

Bush 1.50.

PRIDE OF THE NORTH. A Dent variety which is very early. Will mature a crop in this section easily unless season is very unfavorable. Ears are rather small for a Dent variety, from eight to nine inches long, having from twelve to sixteen rows. Stalks are from six to eight feet high. Popular as an ensilage corn with some.

Bush. 1.50, 2 Bush. 2.50.

EARLY MASTODON DENT. A very early, strong growing corn, with exceedingly large ears and grain. In the *American Agriculturalist* corn contest, in 1889, it out yielded all others, making the wonderful record of 213 bushels of shelled corn to the acre. Used extensively for ensilage.

Bush. 1.50, 2 Bush 2.50.

WHITE CAP YELLOW DENT. Nearly as early as the Pride of the North; with large ears. The grower and introducer of this wonderful corn says he will guarantee this corn to mature in ninety to ninety five days from planting and to grow a larger crop on poor soil, than any other corn in the world. Stalks are six to seven feet high, with abundance of foliage, making it an excellent sort for ensilage. Ears are from eight to ten inches long, well filled out and have from sixteen to eighteen rows. Kernels are of the true Dent type, large, sweet and nutritious; the outer end white and the balance yellow, which gives it the name "White Cap."

Bush. 1.50, 2 Bush. 2.50.

LEAMING. An early yellow dent corn which is growing more popular in New England every season for ensilage.

Bush. 1.00.

RED COB ENSILAGE (Bushnell's). A pure white corn with red cob. Probably grown more extensively for ensilage than any other variety.

Bush. 1.00.

SOUTHERN WHITE. The seed we offer of this is the true Southern White, and has a round flat kernel. Nearly all the seed sold in the east for this variety is the pointed or sheep-tooth kernel, comes from the West in grain cars and germinates very poorly. This costs a trifle more and is infinitely better. Bush. 1.00. Special prices on large quantities.

EUREKA ENSILAGE. Our famous Eureka Corn heads the list for large growing ensilage varieties. With proper fertilizing, will grow from fourteen to eighteen feet high, and often times four and five ears to the stalk. See special description, page 9.

Bush. 2.00 3 Bush. 5.00.

Cucumber.

EARLY RUSSIAN. The earliest cucumber grown; fruit produced in pairs.

Pkt. 5c. oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

EARLY FRAME, OR SHORT GREEN. An excellent sort both for table use and pickling. Plants very vigorous and productive. Fruit straight, handsome, smaller at each end, bright green, lighter at the blossom end.

Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb 25c., lb. 75c.

EARLY CLUSTER. Fruit short borne in clusters near the root. A good yielder, popular for home use, but little grown for market.

Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

WHITE SPINE IMPROVED. The most popular variety for market. Fruit straight and handsome. Used extensively in this country for forcing.

Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

NICHOL'S MEDIUM GREEN. Considerably thicker than the White Spine, and full at both ends. Skin light green and very smooth. Handsome in appearance, and of fine quality.

Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

IMPROVED LONG GREEN. Vines vigorous and productive. Fruit about 12 inches long, firm and crisp. Makes one of the best of pickles, and when ripe is the best of any for sweet pickles.

Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

BOSTON PICKLING. One of the best for pickling. This is the standard variety in the vicinity of Boston; used for pickling. Fruit short, pointed at each end, bright green, uniform in size, very productive, and of superior quality.

Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

NEW JAPANESE CLIMBING. Vines vigorous, with strong grasping tendrils, which enables it to climb trellis, wire netting, brush, or any other suitable support. It climbs so tightly that it is not prostrated by heavy storms of wind and rain. Comes into bearing quickly and continues to set the fruits abundantly throughout the season.

Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

Egg Plant.

NEW YORK IMPROVED. The standard variety in all sections of the country. Pkt. 10c., 1 2 oz. 25c., oz. 40c., 2 oz. 70c., 1-4 lb 1.25

AMERICAN IMPROVED. Thick leaved. Pkt. 10c., oz. 40c., 1-2 oz. 25c., 2 oz. 70c., 1-4 lb. 1.25, lb 4.00.

FRENCH OR COMMON. Pkt. 5c., oz. 25c., 1-2 oz. 15c., 2 oz. 40c., 1-4 lb. 75c., lb. 2.50.

ARLINGTON NEW. Leaves finer than the American Improved; very popular in Boston market.

Pkt. 10c., 1-2 oz. 25c., oz. 40c., 2 oz. 70c., 1-4 lb. 1.25, lb. 4.00.

Dandelion.



Endive.

MOSS CURLED. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 oz. 25c., 1-4 lb. 40c.

LARGE GREEN CURLED. A large, coarse, strong growing variety, which by tying up can be made to form finely blanched centers of good quality. Outer leaves well cnt, and bright, deep green. Pkt. 5c., 1-2 oz. 12c., oz. 20c., 2 oz. 25c., 1-4 lb. 60c.

Kale (Borecole) Of dwarf and compact growth, leaves curled and crimped, the whole plant resembling a bunch of moss; a thing of beauty as well as utility. The best variety for general use. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c.

Kohl Rabi.

EARLY WHITE VIENNA. Pkt. 5c., 1-2 oz. 12c., oz. 20c., 2 oz. 35c., 1-4 lb. 60c.

EARLY PURPLE VIENNA. Pkt. 5c., 1-2 oz. 12c., oz. 20c., 2 oz. 35c., 1-4 lb. 60c.

Leek.

AMERICAN FLAG. The standard variety. Pkt. 5c., 1-2 oz. 12c., oz. 20c., 2 oz., 30c., 1-4 lb. 50c., lb. 1.75.

Lettuce.

WHITE SEED TENNIS BALL or Boston Market. Used more extensively for forcing under glass than any other sort. Heads small but very compact, and of good quality. But little used for out-door planting. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 oz. 25c., 1-4 lb. 40c., lb. 1.50.



HITTINGER'S BELMONT FORCING.

Choice private stock. A choice strain for forcing in the greenhouse. Much larger than the White Seeded Tennisball, and a little later. Quality excellent. Very profitable for market. Not recommended for outdoor culture. Pkt. 10c. oz. 40c.

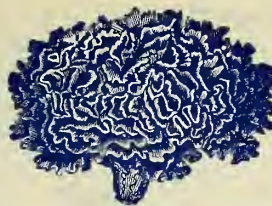
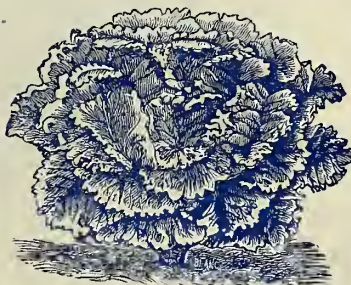
BLACK SEED TENNIS BALL. Used in New England for the first outdoor planting and is the first to head. Used in New York and other sections for forcing. Heads medium size and compact, leaves thick, dark green and when quickly grown crisp and tender. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 oz. 25c., 1-4 lb. 40c., lb. 1.50.

EARLY CURLED SIMPSON (white seed). A very early variety which forms a small loose head, leaves much curled, of excellent quality and extensively cultivated both under glass and outdoors. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 oz. 25c., 1-4 lb. 40c., lb. 1.50.

BLACK SEED SIMPSON. Much larger than the preceding, but not as much curled. Forms a large loose cluster of leaves rather than a head, leaves light yellowish green, a good variety and extensively grown. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 oz. 25c., 1-4 lb. 40c., lb. 1.50.

EARLY CURLED SIL-ESIA. An old standard sort, well known and very popular, both for home gardens and market. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 oz. 25c., 1-4 lb. 40c., lb. 1.50.

PRIZE HEAD. This variety has no superior where a thin, tender, crisp and sweet lettuce is wanted for the home garden or local market. Being so thin leaved and tender it, of course, wilts very quickly after cutting, and so is not adapted to growing for distant markets. Plants large, deep green, so washed with red as to appear more red than green, forming a head of a dense mass of leaves rather than one like a cabbage, and very slow to run to seed. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 oz. 25c., 1-4 lb. 40c., lb. 1.50.



BOSTON CURLED LETTUCE.

for use a long time. We consider it one of the best early summer varieties. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 oz. 25c., 1-4 lb. 40c., lb. 1.50.

HANSON. We can recommend this as one of the very best! Outer leaves white, and usually curved and twisted at the base. Extensively grown by market gardeners; always sure to make large, handsome heads of excellent quality. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 oz. 25c., 1-4 lb. 40c., lb. 1.50.

HENDERSON'S NEW YORK. The introducers say it is of unusual size and solidity of head, with but little tendency to run to seed; often weighing nearly four pounds with heads almost as solid as an Early Summer Cabbage; blanches itself naturally, is crisp, tender and of excellent flavor, and always free from bitterness. Is not a forcing variety, but is certainly one of the best varieties for summer use ever introduced. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 oz. 25c., 1-4 lb. 40c., lb. 1.50.

BROWN DUTCH. An old variety which has green leaves considerably tinged with brown. A sure header, crisp, tender and sweet; extremely hardy. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 oz. 25c., 1-4 lb. 40c., lb. 1.50.

Martynia.

A strong growing, hardy annual plant with curiously shaped seed pods, which, when young and tender, are highly prized for pickling. The pods are produced in great abundance, and should be gathered when less than half grown, as after the hardening of the flesh they are worthless.

PROBOSCIDEA. The common variety. Pkt. 5c., 1-2 oz. 20c., oz. 35c., 2 oz. 60c., 1-4 lb. 1.00.

Melon. Musk.

A strong growing, hardy annual plant with curiously shaped seed pods, which, when young and tender, are highly prized for pickling. The pods are produced in great abundance, and should be gathered when less than half grown, as after the hardening of the flesh they are worthless.

SURPRISE. Very early, medium size, flesh thick, salmon colored. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

GREEN NUTMEG. Cantaloupe, nearly round, flattened at the ends, regular rib; skin densely netted; flesh thick and of delicious flavor. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

EMERALD GEM. A small round melon of superior flavor. Flesh salmon color, very thick and fine grained; skin dark green. One of the best for home use, and growing more popular every year as a market variety on account of its uniformly excellent quality. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

MILLER'S CREAM. Ranks high as a market melon, either for home or shipping. The flesh is of rich salmon color, very sweet and melting, and is so thick that the melon is almost solid, the seed cavity being remarkably small. A strong grower and very productive, medium in size and resembles the Osage very much. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

MONTREAL MARKET. The largest round melon in the world, weighing fifteen pounds and upwards, (they have grown to weigh 29 pounds.) To all who wish to grow the handsomest melons possible for exhibition, or extra large ones for market we recommend this one. The shape is almost round, deeply ribbed; skin green and densely netted; flesh remarkably thick, light green and of fine flavor. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

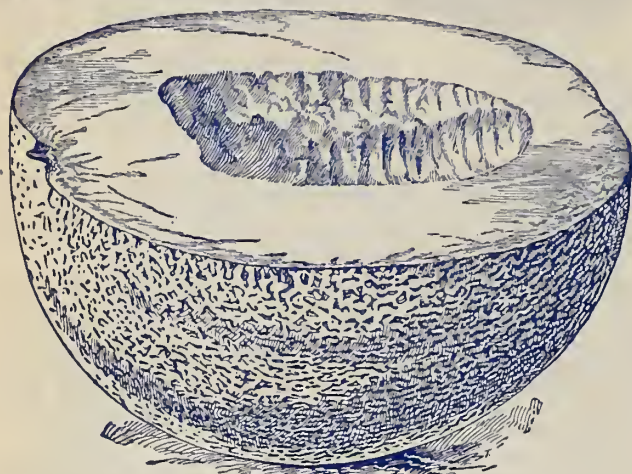
BANANA. Grows from fifteen to eighteen inches long; the color is creamy white or straw color. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

BAY VIEW. One of the largest, most productive and best flavored melons grown. Shape oblong; flesh green. Pkt. 5c., oz. 10c., 2 oz., 15c., 1-4 lb. 25c., lb. 75c.

LONG YELLOW. An old variety, of large size, ribbed and netted, salmon fleshed, sweet and melting. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

Melon, Musk—Continued.

THE COSMOPOLITAN. Claimed by the introducers to be the most beautiful of the Green Fleshed Melons. Fruit slightly oval, nearly round. Color light green, covered at maturity with silver gray netting. Flesh green, firm, sweet and high flavored. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1-4 lb. 25c., lb. 75c.



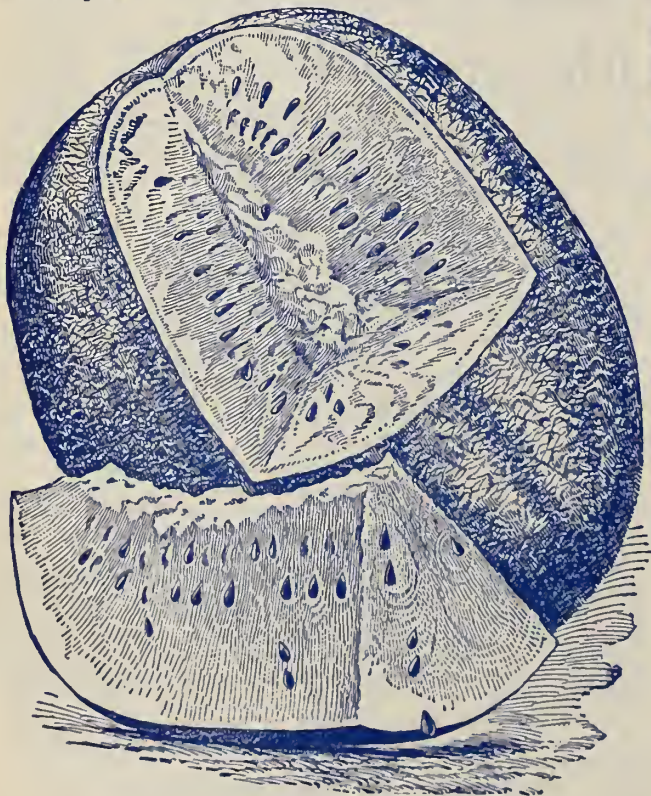
Cosmopolitan Musk Melon.

Melon. Water.

PHINNEY'S EARLY.

Large, oval, quick growing variety, thin rind, red flesh, very productive; and is one of the earliest. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1-4 lb. 25c., lb. 75c.

THE BOSS. One of the best; early, of medium size, rind thin, flesh of brilliant color, solid, melting and of delicious flavor. Has but few equals. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1-4 lb. 25c., lb. 75c.

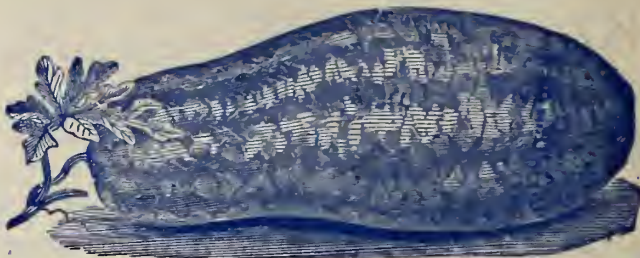


Sweet-Heart Water Melon.

THE SWEETHEART. Fruit large, oval, very heavy. Rind thin but firm; flesh bright red, firm, solid but very tender, melting and sweet. Remains in condition for use longer than most sorts. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1-4 lb. 25c., lb. 75c.

KOLB'S GEM. Nearly round, dark green with narrow stripes of lighter shade; flesh bright red and of good flavor. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1-4 lb. 25c., lb. 75c.

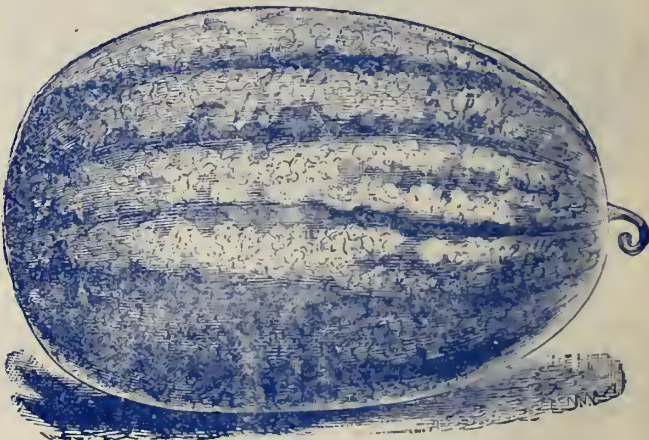
MOUNTAIN SWEET. A large, long melon, flesh red, firm and sweet, solid to the center. A well known, standard variety. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1-4 lb. 25c., lb. 75c.



Mountain Sweet Watermelon.

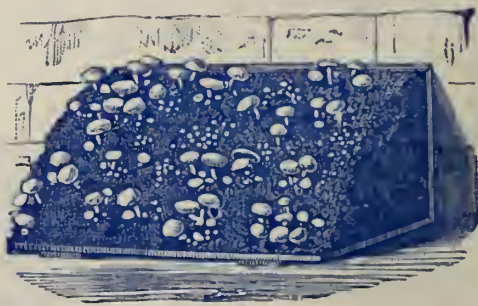
BLACK SPANISH. Medium size, round, black seeded, red flesh, thin rind, vines small. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1-4 lb. 25c., lb. 75c.

MAMMOTH IRON CLAD. Of oblong shape, very thick and retains its thickness at both stem and blossom end. The skin is beautifully striped with light green; the flesh is of a dainty red, of rich, sugary flavor, always firm and remarkably solid. Pkt. 5c., oz. 10c., 2 ozs. 15c., 1-4 lb. 25c., lb. 75c.



Cuban Queen Watermelon.

CUBAN QUEEN. Beautifully marked, light and dark green, solid, crisp, bright red flesh; a good shipper; grows to a good size. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.



Mushroom.

SPAWN. Lb. 15c., 8 lbs. 1.00.

Mustard. White Brown.

Pkt. 5c., oz. 10c.
1-4 lb. 15c., lb. 40c.

Onions. The almost unprecedented drouth in California, and the opposite but unfavorable weather in the east have caused the onion seed crop to be very light. We have in consequence been obliged to advance our prices, both on western seed and on our special home grown strains. We advise, as we always have, the use of the latter, feeling sure that the increased crop of heavier, better shaped and handsomer onions will much more than repay the planter for the slight extra cost of the seed. See also page 6.

EXTRA EARLY RED. The earliest of all the red onions; flat, lighter in color, and fully a fortnight earlier than the Red Wethersfield. Pkt. 5c., 1-2 oz. 10c., oz. 15., 2 oz. 25c., 1-4 lb. 40c., lb. 1.50.

EARLY RED GLOBE. A distinct and valuable variety, perfectly globe shaped; ten days earlier than Southport Large Red Globe, and equally as globe-shaped, color beautiful light red. Pkt. 5c., 1-2 oz. 15c., oz. 25c., 2 oz. 45c., 1-4 lb. 75c., lb. 2.50.

RED WETHERSFIELD. An old standard sort largely grown in some localities. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 oz. 25c., 1-4 lb. 40c., lb. 1.50.

YELLOW GLOBE DANVERS. This variety has been developed from the old thick-stocked Danvers, called Globe, into a true globed-shaped onion. While we take pains to secure the best of seed on all varieties, we give special attention to this particular strain, and offer one which cannot be surpassed. Pkt. 5c., 1-2 oz. 12c. oz. 20c., 2 oz. 35c., 1-4 lb. 65c., lb. 2.00.

YELLOW GLOBE DANVERS. Best western stock. Pkt. 5c., 1-2 oz. 10c., oz. 15c., 2 oz. 25c., 1-4 lb. 40c., lb. 1.50.

SOUTHPORT YELLOW GLOBE. Similar to our stock of Globe Danvers, but a little later. Pkt. 5c., 1-2 oz. 12c., oz. 20c., 2 oz. 35c.; 1-4 lb. 40c., lb. 1.50.

SOUTHPORT RED GLOBE. Similar in shape to the preceding; of a beautiful purplish crimson. Pkt. 5c., 1-2 oz. 15c., oz. 25c., 2 oz. 45c., 1-4 lb. 75c., lb. 2.50.

SOUTHPORT WHITE GLOBE. True globe shape, mild flavor, very handsome, better keeper than the Portugul, Pkt. 5c., 1-2 oz. 15c. oz. 25c., 2 oz., 45c., 1-4 lb. 80c., lb., 2.75.

WHITE PORTUGAL, or SILVER SKIN. Used by market gardeners for an early onion. Its mild flavor makes it especially desirable for family use. Pkt. 5c., 1-2 oz. 15c., oz. 25c., 2 oz. 45c., 1-4 lb. 75c. lb. 2.50.

PRIZETAKER. Of finest flavor, handsome shape and enormous size; without doubt the largest variety in cultivation; largely used for sowing in hot bed and transplanting. Pkt. 5c., 1-2 oz. 12c., oz. 20c., 2 oz., 35c., 1-4 lb. 60c., lb. 2.00.

ONION SETS.

Prices Variable.

WHITE. Qt. 20c., 1-2 pk. 65c., pk. 1.25.

YELLOW. Qt. 20c., 1-2 pk. 65c. pk. 1.25.

POTATO ONION. Qt. 15c., 1-2 pk. 50c., pk. 90.

TOP ONION. Qt. 15c., 1-2 pk. 50., pk. 90c.

Price for larger quantities on application.



Parsley. CARTER'S CHAMPION MOSS CURLD. Excellent for garnish. Pkt. 5c., oz. 10c., 2 oz. 18c., 1-4 lb. 30c., lb. 1.00.

EXTRA DOUBLE CURLD. Beautifully curled. Pkt. 5c., oz. 10c., 2 oz. 18c., 1-4 lb. 30c., lb. 1.00.

Parsnip.

We have an extra selected stock of both Long and Hollow Crown, and have a steadily increasing market garden trade.

HOLLOW CROWN.

Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60c.

LONG SMOOTH.

Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60c.

Peas.

EXTRA EARLY VARIETIES.

ALASKA. The standard first early hard pea. Height about 2 1-4 feet; a wonderful bearer, ripens crop well together, which makes it valuable to market gardeners. Pkt. 8c., pt. 12c., qt. 20c., 2 qts. 35c., 1-2 pk. 60c., pk. 1.00.

FIRST AND BEST. An extra early sort. Ripens crop evenly; height, 2 1-2 feet. Pkt. 8c., pt. 12c., qt. 20c., 2 qt. 35c., 1-2 pk. 60c., pk. 1.00.

IMPROVED DAN O'ROURKE. An old standard variety, has been more extensively grown than any other early sort. Height, 2 1-2 feet. Pkt 8c., pt. 12c., qt. 20c., 2 qts. 35c., 1-2 pk., 60c., pk. 1.00.

PHILADELPHIA EXTRA EARLY. Also an old sort. very similar to preceding. Pkt. 10c., pt. 12c., qt. 20c., 2 qts. 35c., 1-2 pk. 60c., pk. 1.00.

GREGORY'S SURPRISE. The earliest wrinkled pea as early as many of the hard peas. See special description, page 7. Pkt. 10c., pt. 20c., qt. 40c., 2 qts. 70c., 1-2 pk 1.25, pk. 2.25.

GRADUS. A new and wonderful pea; pods and pea; approaching the Telephone in size; yet ripening with or close to the first earliest. See special description, page 8. Pkt. 15c., pt. 25c., qt. 40c., 2 qts. 70c., 1-2 pk. 1.25. pk. 2.25.

DWARF EARLY VARIETIES.

AMERICAN WONDER. An early wrinkled variety growing to the height of ten inches; very robust, producing large, well-filled pods; of fine flavor. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., 1-2 pk. 70c., pk. 1.25.

NOTT'S EXCELSIOR. A new variety growing a little taller than the Wonder and superior to that in every respect. See special description, page 8. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., 1-2 pk. 75c., pk. 1.40.

NOTT'S PERFECTION. Originated by Mr. Richard Nott of Burlington, Vt., the originator of the preceding excellent variety, the Excelsior. See special description, page 7. Pkt. 15c., pt. 30c., qt. 50.

McLEAN'S LITTLE GEM. An old standard sort; has been a general favorite, but is being displaced to some extent by the Wonder and Excelsior; height, 18 inches. Pkt. 8c., pt. 12c., qt. 20c., 2 qts. 35c., 1-2 pk. 60c., pk. 1.00.

CARTER'S PREMIUM GEM. Similar to the preceding, but more uniform in habits of growth. Pkt. 8c., pt. 12c.; qt. 20c., 2 qt. 35c., 1-2 pk. 60c., pk. 1.00.



PEAS—Continued.**HALF DWARF, SECOND EARLY, MEDIUM AND LATE SORTS.**

HORSFORD'S MARKET GARDEN. Resembling in habit of growth Premium Gem, ten days later, pods produced in pairs in great profusion, peas wrinkled. Of good quality, very popular with market gardeners. Height, 2 feet.

Pkt. 8c., pt. 12c., qt. 20c., 2 qts. 35c., $\frac{1}{2}$ pk. 60c., pk. 1.00.

McLEAN'S ADVANCER. A green, wrinkled marrow of extra quality. The standard second early in Boston market, and grown extensively everywhere. Height, $2\frac{1}{2}$ feet.

Pkt. 8c., pt. 12c., qt. 20c., 2 qts. 35c., $\frac{1}{2}$ pk. 60c., pk. 1.00.

BLISS ABUNDANCE. About a week later than the Advancer, bearing large and well-filled pods, immensely productive, is of a branching habit. Height, $2\frac{1}{2}$ feet.

Pkt. 8c., pt. 12c., qt. 20c., 2 qts. 35c., $\frac{1}{2}$ pk. 60c., pk. 1.00.

ALLAN'S DWARF TELEPHONE A new variety. Bred and sold to the seed trade by the veteran seed growers, the John H. Allan Seed Co., Picton, Ontario, Canada. See description page 8.

Pkt. 15c., pt. 25c., qt. 40c., 2 qts. 75c., $\frac{1}{2}$ pk. 1.25, pk. 2.25.

HEROINE. A distinct and valuable variety. Foliage even and luxuriant, pods long, handsome and well-filled with large peas of a very fine flavor. Remarkably true and fixed in its habit of growth. Height, $2\frac{1}{2}$ feet.

Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., $\frac{1}{2}$ pk. 70c., pk. 1.25.

YORKSHIRE HERO OR DWARF CHAMPION. An old wrinkled sort, peas large and of delicious flavor, vines of a robust branching habit. Notwithstanding the many excellent new varieties this old favorite still continues to be in great demand.

Pkt. 8c., pt. 12c., qt. 20c., 2 qts. 35c., $\frac{1}{2}$ pk. 60c., pk. 1.00

SHROPSHIRE HERO. Of recent introduction has large handsome pods, which are remarkably well filled with large peas of finest flavor; is an abundant bearer and one of the best of its class. Height, $2\frac{1}{2}$ feet.

Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., $\frac{1}{2}$ pk. 70c., pk. 1.25.

PARAGON. A green wrinkled variety, of stocky, robust growth, pods light green, large and well filled. A great yielder. Height, 3 feet.

Pkt. 8c., pt. 12c., qt. 20c., 2 qts. 35c., $\frac{1}{2}$ pk. 60c., pk. 1.00.

IMPROVED STRATAGEM. An improved type of Carter's Stratagem and is the best of all the large podded peas.

Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., $\frac{1}{2}$ pk. 70c., pk. 1.25.

CARTER'S PRIDE OF THE MARKET. Has very handsome long pods, peas blue, slightly wrinkled, of not quite as good quality as the preceeding but very popular with some gardeners on account of its low growth and profuse bearing. Height, 2 feet.

Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., $\frac{1}{2}$ pk. 70c., pk. 1.25.

EVERBEARING. A large green late wrinkled pea, of excellent quality. As its name indicates, a continuous bearer. Like the Abundance, of very branching habit and should be planted thinly. Height, 2 1-2 ft. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., 1-2 pk. 65c., pk. 1.00.

TALL-GROWING LATE SORTS.

CARTER'S TELEPHONE. A tall growing wrinkled sort, in this section the most popular late pea. Of very robust habit, large pods. "As good as the Telephone" is an expression often used regarding other varieties. Height $4\frac{1}{2}$ feet.

Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., $\frac{1}{2}$ pk. 75c., pk. 1.40.

CHAMPION OF ENGLAND. Universally admitted to be one of the richest and best flavored peas grown, very productive. Height four or five feet, seed light green and much shrivelled.

Pkt. 8c., pt. 12c., qt. 20c., 2 qts. 35c., $\frac{1}{2}$ pk. 60c., pk. 1.00.

LARGE BLACK EYED MARROWFAT. An excellent variety growing about five feet high, pods large and full.

Pkt. 5c., pt. 10c., qt. 15c., 2 qts. 25c., $\frac{1}{2}$ pk. 40c., pk. 75c.

LARGE WHITE MARROWFAT. Similar to preceding. Pkt. 5c., pt. 10c., qt. 15c., 2 qts. 25c., $\frac{1}{2}$ pk. 40c., pk. 75c.

MELTING-SUGAR EDIBLE PODS. Pods are used same as string beans. Pkt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., 1-2 pk. 70c., pk. \$1.25.

Peppers.

LARGE BELL. An old, well-known sort. Large, bell-shaped, thick fleshed, and less pungent than some other sorts. Good for filling. Pkt. 5c., 1-2 oz. 15c., oz. 25c., 2 oz. 40c., 1-4 lb. 75c.

SWEET MOUNTAIN. Also an old variety. Fruit very large, often eight inches long by two in diameter. Flesh thick, sweet and mild. Pkt. 5c., 1-2 oz. 15c., oz. 25c., 2 oz. 40c., 1-4 lb. 75c.

RUBY KING. The handsomest of the large sorts, mild and sweet. Pkt. 5c. 1-2 oz. 15c., oz. 25c., $\frac{1}{4}$ lb. 75c.

LARGE SQUASH. Fruit flat or tomato shaped and somewhat ribbed flesh thick and slightly more pungent than other large sorts, early and sure to mature. Pkt. 5c., 1-2 oz. 15c., oz. 25c., 2 oz. 40c., 1-4 lb. 75c.

CORAL GEM

BOUQUET. The best of the small sorts. Its small red pods are so thickly set as to give it the appearance of a bouquet. Very ornamental as well as useful. Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 40c.

CAYENNE.

Best for seasoning pickles; very hot. Pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c. 2 oz. 40c., $\frac{1}{4}$ lb. 75c.

RED CHILL. Used for making pepper sauce. Pods bright red, slender, about two inches long and very pungent. Requires a long season, seed should be sown early in hot bed.

Pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c.

Pumpkin.

SMALL SUGAR. The popular variety in New England for pies, fine grained and sweet. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 60c.

LARGE CHEESE OR KENTUCKY FIELD. Shape flat, skin of a rich cream color when ripe, flesh tender and of fine quality. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.

MAMMOTH TOURS. One of the largest in cultivation; good for feeding stock.

Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 60c.

CONNECTICUT FIELD. The standard variety for feeding stock. Oz. 5c., $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.

Radish.

EARLY SCARLET TURNIP. A small, round, deep-scarlet variety. Popular for forcing. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 60c.

EARLY SCARLET TURNIP. White tip. Similar to the preceeding but beautifully marked with white at the tip; very popular as a market variety. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 60c.

NEW ROSY GEM RADISH. (White Tipped Scarlet Ball.) Earlier than the preceding sort which it somewhat resembles in form and color, but slightly more globular in form upper part of root, rich, deep scarlet blending into pure white at tip. A very showy and excellent sort, never becoming hollow or pithy. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 60c.



NEW ROSY GEM.

(White Tipped Scarlet Ball.) Earlier than the preceding sort which it somewhat resembles in form and color, but slightly more globular in form upper part of root, rich, deep scarlet blending into pure white at tip. A very showy and excellent sort, never becoming hollow or pithy. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 60c.

NON PLUS ULTRA, OR FRENCH FORCING. Claimed by the introducers to be the earliest in cultivation. In color, brilliant red, top small, excellent for forcing. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60c.

VICK'S EARLY SCARLET GLOBE. A most excellent radish for garden culture, and for hot bed forcing there is no variety as desirable. It is the earliest; its color is the handsomest; in flavor it is the mildest, most crisp, juicy and tender. It is the market gardener's favorite as a forcing radish. It forms small top, and will stand a great amount of heat without becoming pithy. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60c.

FRENCH BREAKFAST. A very quick growing variety, brittle, crisp and tender; of oval form, bright scarlet, white tipped. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60c.

EARLY LONG SCARLET SHORT TOP IMPROVED. Grows six to eight inches long; very crisp and brittle, quick growth, uniformly straight; very desirable. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60c.

WOOD'S EARLY FRAME. Similar to Long Scarlet but not as long; of more brilliant color, should be grown more as it is several days earlier than the Long Scarlet. The best long forcing variety. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60c.

CHARTIER, OR SHEPHERD RADISH. A variety of the Long Scarlet, originated in Western Pennsylvania. It is exceedingly handsome and attractive, being of a deep crimson color at the top, and blending off to almost white at the bottom. It is very tender, and remains so for a long time after attaining its growth; an important feature to the market or family gardener. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60c.

NEW WHITE STRASBURG. This variety is now the most popular summer radish grown. Of handsome oblong shape, tapering beautifully to a point. Both skin and flesh are pure white, almost transparent, very tender, and of a delightful pungent taste. It can be pulled five weeks from the time of sowing the seed, yet it will continue to grow without losing its fine quality, and remain in a tender condition longer than any other summer sort. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60c.

LONG BLACK SPANISH WINTER. One of the hardest and best for winter use. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60c.

CHINESE ROSE WINTER. Excellent for winter use. Very superior quality. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60c.

Salsify, or Oyster Plant.

SANDWICH ISLAND MAMMOTH. A new and larger growing variety than the old sort. It is claimed of finer flavor. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 30c., lb. 1.00.

Spinach. **ROUND THICK LEAVED.** The popular variety. Good for either fall or spring planting. Pkt. 5c., oz. 10c., 1-4 lb. 15c., 1-2 lb. 20c., lb. 35c.

LONG STANDING. Characteristic for its remaining fit for use longer than any other variety before running to seed. Pkt. 5c., oz. 10c., 1-4 lb. 15c., 1-2 lb. 20c., lb. 35c.

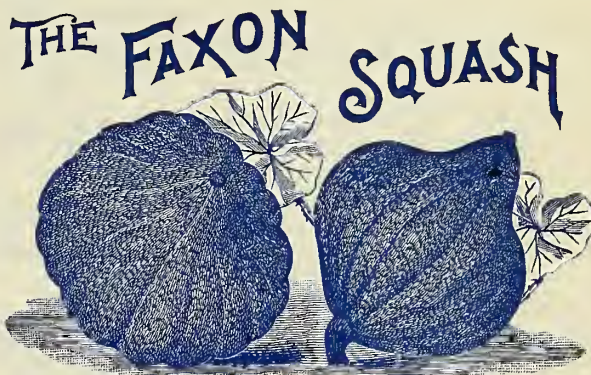
BLOOMSDALE. Earliest cutting of any sort. This is a form of spinach superior to either sort because of its leaves being curled, twisted and bloated to an unusual degree; this curled quality giving the leaves an elasticity fitting them for shipment to long distances, while at the same time giving the crop large measuring qualities, many more barrels of the Bloomsdale Spinach being cut to the acre than any other variety, and thus adding an increased profit to the shipper. It is recommended for autumn sowing, as when sown in springtime it shoots to seed earlier than any other sort of spinach. The Bloomsdale Spinach is put up in blue muslin bags of five, ten, twenty, thirty and forty pounds, fastened with copper wire and lead sealed. Our stock is from the originator, and is guaranteed true to name. Pkt. 5c., oz. 10c., 1-4 lb. 15c., 1-2 lb. 20c., lb. 35c.

Squash. **WHITE BUSH SCALLOP.** A very early and excellent variety for market. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

EARLY WARTED, OR SUMMER CROOKNECK. Long, bright yellow fruit; the most popular early summer variety. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

MAMMOTH SUMMER CROOKNECK. A very valuable variety; a great improvement on the preceding, being twice as large, far more warty and as early. This combination of earliness, large size and wartiness, which adds so much to its attractiveness, makes it altogether the most desirable squash for market. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

FORDHOOK. Very handsome, of bright yellow outside and straw-yellow within. The flesh is very dry and sweet, and of delicious flavor. It seems incapable of rotting, and placed in a cool, dry room, keeps in perfect condition until late in June when summer squashes are ready. Can be used as a summer squash. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.



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A very desirable variety for the home garden. It is very productive, of medium size (five or six pounds) fine grained, dry, sweet, a good keeper, uniform in shape, but varied in color. This variation in color is a distinct feature of the squash. While some of the ripe squashes are pale yellow with still paler yellow stripes, others are green, mottled and faintly striped with a light green. A leading gardener says of it: "That for dryness and sweetness the Faxon cannot be excelled if equalled." Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

PROLIFIC MARROW. (Dunlap's.) The earliest fall variety, at least ten days earlier than any other marrow squash; very prolific; color deep orange; of fair quality, but not equal to the Orange or Improved Boston Marrow. Unfortunately there seems to be some confusion in the names of the Marrow varieties, many seedsmen listing this as Prolific or Orange Marrow which is incorrect as there is a marked difference between the two; the former, while being similar in color and having a similar pitted shell, is quite different in time of ripening and also in quality. We recommend this as a profitable squash to grow on account of its extreme earliness and great yielding. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb., 25c., lb. 75c.

BOSTON MARROW IMPROVED, OR ORANGE MARROW. The standard type of Marrow Squash in Massachusetts, and also largely used elsewhere. An improvement on the old Boston Marrow being much thicker-meated and of better quality, much deeper in color, a little smaller, not likely to overgrow like the old strain. The shell of this variety also differs from the old strain that being smooth while this is deeply marked with pits similar to the Prolific. We recommend this as the best type of marrow squash for general use. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

SQUASH—Continued.



Essex Hybrid.

Essex Hybrid; very popular among market men where known. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

BAY STATE. Similar in shape to the Essex Hybrid, shell slate color and harder, and flesh is dryer than that variety. Is of excellent flavor and very solid. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 75c.

HUBBARD. A favorite winter squash, and more largely grown as a late sort than any other. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

CHICAGO WARTED HUBBARD. A selection from the old Hubbard with thickly warted shell, thick fleshed and a good keeper. A popular strain with market gardeners. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 90c.

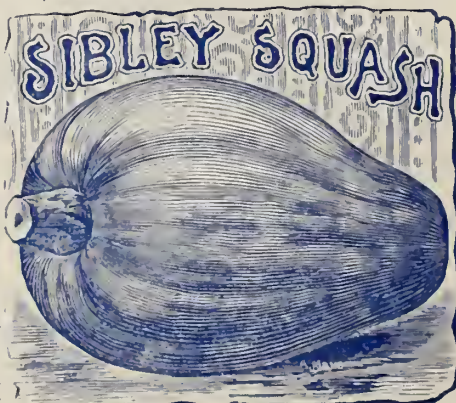
GOLDEN HUBBARD. A new and distinct variety, similar in shape to the Hubbard, but color of shell is of a rich orange-red; early and of excellent quality. See special description on page 12. Pkt. 10c., oz. 15c., 2 oz. 25c., 1-4 lb. 40c., lb. 1.25.

GREEN MOUNTAIN. A new variety with uniformly round fruit; larger than the Hubbard. Claimed by the introducers to be the best winter squash of late introduction. See special description on page 12. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

MARBLEHEAD. Shell light slate color, flesh lemon color, dry, sweet and of finest flavor. Good keeper. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

BUTMAN. Resembles the Hubbard; thick shell and thick meated, lemon colored flesh, dry, sweet and delicious. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

SIBLEY. The shell is pale in color, very hard and flinty, being at the same time thin and smooth, flesh is solid, thick, vivid brilliant orange color, and is possessed of rare edible qualities, being dry, and really wonderful for fineness of grain and the rich and delicate flavor peculiarly its own. The weight ranges from eight to eleven pounds. Will keep to the last of March in a sound state. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.



ESSEX HYBRID. A cross between the Hubbard and Turban, with color, shape and qualities of the latter, and the dryness and hard shell of the former. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

WARREN. Similar in shape to the Essex Hybrid but of of richer color, a very deep orange, shells also are thicker and are rough and warty; claimed to be of better quality than the

MAMMOTH CHILL. The largest variety in cultivation, a squash having been grown in Nova Scotia that reached the enormous weight of 292 lbs. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

LARGE WINTER CROOKNECK. Vines resemble those of the pumpkin; seldom troubled by borers, very productive, of fair quality. Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 20c., lb. 60c.

Tomato. ATLANTIC PRIZE. The best of the extra early varieties. We have never catalogued this variety or any of the so-called extra-earlies on account of their irregular shape and small size, and are led to do so now because of the marked improvement in this strain of seed and its superiority over the others of its class in size and shape. We do not however, now believe that it is equal in any respect to the following varieties except in earliness, and do not recommend large planting of it. Pkt. 5c., 1-2 oz. 12c., oz. 25c., 2 oz. 35 cents., 1-4 lb. 60c.

FORDHOOK FIRST. The originators say that "It is the only perfectly smooth and solid tomato, of which we know, that gets to market as early as the rough and unshapely fruits of poor quality from such sorts as Early Ruby, Atlantic Prize, etc., all of which we have carefully tested, and discarded for this much more desirable variety. Pkt. 5c., 1-2 oz. 15c., oz. 25c., 2 oz. 40c., 1-4 lb. 75c.

IMPERIAL. One of the best in cultivation, early and very productive, solid and of best quality. See special description page 12. Pkt. 5c., 1-2 oz. 15c., oz. 25c., 2 oz. 40c., 1-4 lb. 75c.

LIVINGSTON'S EARLY ACME. Probably no one variety is so well known and generally cultivated throughout the United States, both for early and main crops. The plants are of strong and vigorous growth, very productive; fruit of medium size, perfect form, round, slightly depressed at the ends and very smooth (never rough), color, a glossy red, with purplish tinge, ripens all over and through at the same time. Pkt. 5c., 1-2 oz. 12c., oz. 20c., 2 oz. 35c., 1-4 lb. 60c.

LIVINGSTON'S EARLY PERFECTION. An improved Acme with red skin, somewhat larger, fully as early, has more solid flesh and fewer seeds, and produces more and larger fruit at the close of the season. Invariably smooth and of handsome blood-red. Pkt. 5c., 1-2 oz. 12c., oz. 20c., 2 oz. 35c., 1-4 lb. 60c.

LIVINGSTON'S FAVORITE. One of the best and largest perfect-shaped, red tomatoes in cultivation. Ripens evenly and as early as any other good red sort, holding its size to the end of the season; free from cracks and is not apt to rot at the blossom end; very prolific, good flavor, few seeds, flesh solid, bears shipping long distances. Pkt. 5c., 1-2 oz. 12c., oz. 20c., 2 oz. 35c., 1-4 lb. 60c.

LIVINGSTON'S BEAUTY. A decided favorite for either home market or shipping purposes, being early, hardy, a strong grower, productive, large size, always smooth, perfect in shape and excellent in quality. The color is a very glossy crimson with a slight tinge of purple. It grows in clusters of four or five large fruits, retaining its large size late in the season, and is entirely free from ribbed and elongated fruit. It is very firm fleshed, has a tough skin and but few seeds. It seldom cracks after a rain like many of the tender skin sorts. Pkt. 5c., 1-2 oz. 12c., oz. 20c., 2 oz. 35c., 1-4 lb. 60c.

LIVINGSTON'S BUCKEYE STATE. Average at least one-half larger than Livingston's Beauty. The color is much the same, but of a somewhat darker shade. In shape it is a little thicker from blossom end to stem than most other sorts. In addition to its very large size, it is also smooth and uniform. It is unquestionably one of the heaviest croppers known. Pkt. 5c., 1-2 oz. 12c., oz. 20c., 2 oz. 35c., 1-4 lb. 60c.

PONDEROSA. Very large, solid, and of good flavor. Specimens have been grown to weigh four pounds; color, bright red; very few seeds. Pkt. 5c., 1-2 oz. 15c., oz. 30c., 2 oz. 55c., 1-4 lb. 1.00.

LIVINGSTON'S STONE. This variety has obtained great favor with canners, Southern growers and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color is a desirable red; in shape, perfectly smooth, and thicker from stem to blossom end than most varieties, making it very handsome and saleable. Nobody finds any fault with this variety, but all speak in the highest terms of its beautiful color, its wonderful yielding qualities, its unequalled firmness, or some other of its good points. Pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c., 2oz. 40c., $\frac{1}{4}$ lb. 75c.

DWARF CHAMPION. The vines are dwarf and compact in habit, grow stiff and upright, with thick and short jointed stems; foliage dark green in color. It is remarkably early, and owing to the smaller amount of space required between the plants, yields more to the acre than most other varieties. In form and color the fruit closely resembles the Acme; it is always smooth; the skin is tough, and the flesh solid; ripens well close round the stem, and is not as liable to crack as some other sorts. Pkt. 5c., $\frac{1}{2}$ oz. 12c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c.

LIVINGSTON'S DWARF ARISTOCRAT. This fine early variety in habit of growth and foliage resembles the Dwarf Champion very much, and might be taken for that popular variety if it were not for the color of its beautiful rich, glossy red fruit, so much preferred in many localities to the purple or rose-colored varieties. The size, solidity, productiveness, smoothness, flavor of its fruit, etc., is up to the present standard of excellence. Pkt. 5c., $\frac{1}{2}$ oz. 12c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c.

LIVINGSTON'S GOLDEN QUEEN. "Queen of all the Yellows." Its superior flavor has brought it into general favor as a table fruit. It is solid, always smooth, entirely free from ridges, large in size, ripens early, and is the most beautiful yellow variety ever sent out. The larger and riper fruits are sometimes tinged with red at the blossom end. None excel it for eating raw or slicing. The handsome golden-yellow slices make a beautiful contrast in a dish with red sorts. It has very little acid, and the quality is excellent. Makes handsome rich preserves. Pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c.

We can also supply the following well-known varieties.
PARAGON. PEAR SHAPED YELLOW. NEW PEACH. PEAR SHAPED RED. MIKADO. MAYFLOWER.
Pkt. 5c., $\frac{1}{2}$ oz. 12c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c.

Turnip. **EARLY PURPLE TOP MILAN.** Similar to the White Milan but a little flatter and purple on the top, an excellent variety. We believe superior to the well known Purple Top Flat. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., $\frac{1}{2}$ lb. 40c., lb. 75c.

EARLY WHITE MILAN. The earliest white turnip in cultivation, roots, pure white and very handsome, mild, tender and sweet. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., $\frac{1}{2}$ lb. 40c., lb. 75c.



EARLY PURPLE TOP FLAT STRAP LEAF. Grows quickly and is of mild flavor. The most popular variety of all for early use, and grown extensively for fall and winter. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., $\frac{1}{2}$ lb. 25c., lb. 45c.

EARLY WHITE FLAT DUTCH. Similar to the preceding, but all white. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., $\frac{1}{2}$ lb. 25c., lb. 45c.

WHITE EGG. A quick grower, fine grained, and of a very mild flavor. One of the best of the early fall turnips. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., $\frac{1}{2}$ lb. 25c., lb. 45c.

GOLDEN BALL. Rapid grower, excellent flavor, globe shape, and of beautiful bright yellow. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., $\frac{1}{2}$ lb. 25c., lb. 45c.

YELLOW ABERDEEN. Very hardy and an excellent keeper. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., $\frac{1}{2}$ lb. 25c., lb. 45c.

PURPLE TOP WHITE GLOBE. An early variety, resembling the Purple Top Strap Leaf, except in shape. The best for market. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., $\frac{1}{2}$ lb. 25c., lb. 45c.

YELLOW GLOBE. One of the best varieties for general crop. Flesh very firm and sweet; and keeps well until late in the spring. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., $\frac{1}{2}$ lb. 25c., lb. 45c.

SWEDES or RUTA-BAGAS.

WHITE FRENCH OR ROCK. A very delicate flavored variety; excellent keeper; fine for table. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., $\frac{1}{2}$ lb. 25c., lb. 45c.

SWEET GERMAN. A white, globe-shaped sort. Superior for table use; of most excellent quality; good keeper. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., $\frac{1}{2}$ lb. 25c., lb. 45c.

SHAMROCK. An excellent purple top yellow sort. Grows small top; a good keeper. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., $\frac{1}{2}$ lb. 25c., lb. 45c.

AMERICAN RUTA-BAGA. Popular among our market gardeners for table and stock; keeps well; flesh color. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., $\frac{1}{2}$ lb. 25c., lb. 45c.

LONG ISLAND IMPROVED. This is undoubtedly the finest variety of Purple Top Ruta-Baga, and is purely of American origin. It is twice the size of ordinary American stocks. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., $\frac{1}{2}$ lb. 25c., lb. 45c.

POT HERBS.

	PKT.	OZ.		PKT.	OZ.
CARAWAY,	.05	.10	SAGE,	.05	.20
CORIANDER,	.05	.10	SUMMFR SAVOY,	.05	.20
DILL,	.05	.15	SWEET MARJORAM,	.05	.20
FENNEL,	.05	.15	THYME,	.05	.40

Our novelties on pages 2-16 are worthy of a second reading and then a trial. Crimson Beauty, Improved Goddard, Worcester Mammoth, Davis Wax and Seiberts Early Lima Beans; Faust's Crimson Beet. First of All, Kendel's Early, Early Champion Corn; Danish Ball-Head and Hollander Cabbage; Golden Self-Blanching Celery; Emerald Cucumber; Globe Shaped, Early Gracker and Australian Brown Onions; Nott's Perfection, Nott's Excelsior, Gradus, Surprise and Dwarf Telephone Peas; Eureka Ensilage Corn; Potatoes. New varieties of Squashes and Turnips, Sweet Peas, Early Cosmos, Madame Gunther Nasturtiums and Imperial Japanese Morning Glories.

OUR SPECIAL MIXTURE OF GRASSES FOR PERMANENT PASTURE.

For every different kind and condition of soil there are grasses which are particularly adapted to it. Some species succeed best on wet or moist and some on dry soil. Some mature or are at their best very early; some later, and others very late, so that if a considerable number of these different species and varieties were used in a mixture for a pasture there would be no time, from the first of the season to the last, when some kind would not be at its best and furnish continual feeding for stock. This mixture is made up from such a variety of grasses suitable for the average meadow soil and should be sown in the spring or early in the fall. 40 lbs. to acre. Lb. 14c.

RHODE ISLAND BENT. (*Agrostis Canina*.) An excellent variety for lawns and permanent pastures. Grows naturally in poor soils. 30 lbs. to the acre. Lb. 20c.

RED TOP. (*Agrostis Vulgaris*.) A good permanent grass; excellent for lawns, pastures, etc., and for sowing with Timothy and Red Clover. Lb. 6c.

RED TOP. Fancy, cleaned from chaff; containing nothing but pure seed. 12 to 15 lbs. to the acre. Lb. 13c.

MEADOW FOXTAIL. (*Alopecurus Pratensis*.) One of the very best grasses for permanent pasture, and thrives to perfection on lands of an intermediate quality as to moisture and dryness. It also stands the high summer heat without burning. 25 lbs. to the acre. Lb. 30c.

TIMOTHY. (*Phleum pratense*.) One of the commonest and best known grasses. For a hay crop it is perhaps the most valuable, especially in the Northern States. It is, however, often used when probably some other variety would be more suitable. (45 lbs. to bush.) Lb. 6c., 100 lb. 4c.

TALL MEADOW OAT GRASS. (*Avena Elatior*.) Is early and of luxuriant growth and produces an abundant supply of foliage; is well calculated for a permanent pasture grass. 50 lbs. to the acre. Lb. 20c.

CRESTED DOG'S TAIL. (*Cynosurus Cristatus*.) A valuable grass for sheep pastures, on dry, hard soil and hills. Often used in lawn mixtures. 25 lbs. to the acre. Lb. 40c.

ORCHARD GRASS. (*Dactylis Glomerata*.) Is one of the most desirable pasture grasses, coming earlier in the spring, and remaining later in the autumn than any other. It grows to a height of two to two and one-half feet, and produces an immense quantity of foliage. It yields a large amount of hay, and sends up a thick growth very quickly after being cut. Blossoms same time as red clover. 40 pounds to the acre. Lb. 14c.

MEADOW FESCUE or ENGLISH BLUE GRASS. (*Festuca Pratensis*.) A highly valuable species for permanent grass land. It does not, however, attain to its full productive power till the second or third year, when it far exceeds most other sorts in quantity of its produce and nutritive matter. It is relished by live stock, both in hay and pasture. A very desirable permanent grass for general culture. 40 lbs. to the acre. Lb., 15c.

ITALIAN RYE GRASS. (*Lolium Italicum*.) An oft quoted writer says of the grass; "It occupies the same place in Great Britain that Timothy does with us, and is there esteemed on the whole higher than any other species of grass. Of all the varieties of *Lolium Perenne* which are known that called *Italicum* is by far the most valuable."

Another eminent authority sums up its valuable qualities as follows: "Its earliness, rapid reproduction after cutting, the extreme partiality manifested by all domestic animals for it when used either as soiling, hay or pasture, and its influence on the

dairy not only increasing the flow of milk, but improving the flavor of the cheese and butter made from it." It is at its best on moist or irrigated meadows but is valuable on a great variety of soils. 50 lbs. to the acre. Lb., 12c.

KENTUCKY BLUE GRASS, OR SMOOTH MEADOW GRASS. (*Poa Pratensis*.) Height, two feet. This variety presents a beautiful appearance early in the spring, and on account of its unusual earliness and great productiveness, at a time when other grasses are comparatively dormant, it should be included in most permanent mixtures. It does well in good, moderately dry soil, makes excellent hay and aftermath. 28 lbs. to acre. Lb 15c. Extra clean seed.

CANADA BLUE GRASS. (*Poa Compressa*.) Similar to and often confounded with the Kentucky Blue Grass, from which it differs in its flattened wiry stems. It forms a very firm turf by means of its creeping root-stalks, and thrives well on clay or hard trodden and poor soils. Lb., 14c.



Kentucky Blue Grass.

FOWL MEADOW. (*Poa Trivialis*.) Grows abundantly in almost every section of New England and in portions of the Middle and Western States, especially where it has been introduced and cultivated in suitable ground, such as the borders of rivers and places occasionally flooded. It never grows so coarse or hard but that the stalk is sweet and tender, and eaten without waste. It is easily made into hay, and is nutritive and valuable grass. Does best when used in mixtures. Sow same quantity as Red Top. Lb., 25c.

Millets, **HUNGARIAN GRASS** Splendid forage crop for light land. On rich land two crops may be grown the same season. Withstands drought and yields abundantly. (48 lbs. to bush.) Bush \$1.00.

COMMON MILLET. Very similar to Hungarian; a little more branching in its growth; requires a rather better soil. (50 lbs. to bush.) Bush. \$1.00.

GOLDEN, OR GERMAN MILLET. A heavier cropper than the Hungarian, and needs a longer season and a stiffer soil; stands up well, is easily cured, makes a coarse, harsh hay, which is greedily eaten by all live stock. (50 lbs. to bush.) Bush. \$1.25.

Choice Clover Seeds. **MEDIUM RED, OR JUNE.** This is the common Red Clover, used more largely than any other for hay and pasture. 10 pounds to acre. Lb. 11c., 100 lbs. 10c. per lb.

Special prices to large buyers.

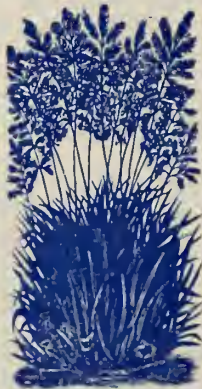
RED MAMMOTH CLOVER, OR PEA VINE. It is a vigorous grower, with large, coarse stalks, five to six feet high; used largely for plowing under for manure. 10 lbs. to the acre. Lb. 12c., 100 lbs. 10c. per lb.

ALSIKE, OR SWEDISH. Unexcelled for hay, and a wonderful cropper. All farmers who have tried this unite in pronouncing it the best of all clover hay. It is perennial and very hardy. Very valuable both for pasture and soiling; very productive, sweet and fragrant. The flowers are a distinct light pink, and much liked by bees. Will produce a good crop on low, wet land. 12 pounds to the acre. Lb. 13c.

WHITE. Valuable for lawn and pasture mixture. Lb. 25c.

CRIMSON CLOVER. (Also called Scarlet or Italian.) An annual variety, in common use in Italy and the south of France for feeding green. The yield in fodder is immense. In warm climates four or five cuttings are made during the season. Lb. 7c.

ALFALFA, OR LUCERNE CLOVER. Valuable as a forage plant for light, deep, dry soil, the roots penetrating so deep that it stands severe drought without injury. Lasts for years when once established Lb. 13c.



Orchard Grass.

OUR SPECIAL MIXTURE OF GRASSES FOR LAWNS.



The Worcester Lawn Grass.

While we have always made a good Lawn Mixture and have given particular attention to this subject in the past, we have this year selected a variety of grasses which will in the shortest time make a soft, velvety lawn, yet one which will be permanent. We have also used only such varieties of which we can obtain EXTRA CLEAN seed. We shall hereafter sell the Worcester Lawn Grass BY THE POUND ONLY, as we regard that as the only satisfactory method to sell any mixture of grass seeds, and a decidedly more preferable way to sell single varieties. This mixture weighs 32 pounds to the bushel. BEAR IN MIND WHEN COMPARING PRICES WITH OTHERS (either higher or lower than ours), THAT WHERE A LOWER PRICE IS MADE FOR A BUSHEL OF SIXTEEN POUNDS, THAT EITHER CHAFF SEED IS USED TO MAKE THE REQUIRED BULK WHICH IS OFTEN OF BUT LITTLE VALUE AND WHICH ALWAYS CONTAINS FOUL SEEDS, OR ELSE IT DOES NOT MEASURE NEARLY A BUSHEL AND WOULD NOT IN THAT CASE BE ANY CHEAPER THAN OURS IF SOLD AT HALF THE PRICE PER ACTUAL BUSHEL. 1-lb pkg. 25c., 4½ lb. pkg. 1.00. In ten pound lots or over in bulk 20c. per lb.

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Miscellaneous Seeds.

Bush. 90c.

OATS. Growing more and more in favor for early green fodder. We have taken all possible pains to secure oats that were free from foul seeds, have then re-cleaned them, and have had a largely increased trade thereby. We make this year again a low price considering the superior quality. In our opinion, the economy which leads one to save a few pennies on a bushel of oats is quite likely to be extreme extravagance. Buy the best AND SAVE MONEY. Bush. 50c.

RYE. (Spring.) Our trade is also increasing on this grain. It is used in this section as oats are, almost entirely for soiling purposes. For this purpose sow one and one-half bushels to the acre. (56 lbs to bush.) Bush. 1.25.

WHEAT. (Spring.) Leading varieties. Bush. 2.00.

BUCKWHEAT. (Japanese.) Earlier, larger and yields much better than other sorts. Bush. 1.25.

PEAS. (Canada.) Used extensively for sowing with oats for soiling. When thus used, sow one bushel to the acre. Bush. 1.25.

VETCHES. Used the same as the preceding. Sow with oats from 1-2 to 3-4 bushel. Bush. 2.75.

BARLEY.

Largely used for sowing in July

and August for fall feed, for which purpose sow from two to two and one-half bushels per acre. (48 lbs. to bushel.)

PLANTS.

We offer in the following list a choice lot of plants grown from pure seed by ourselves, and other reliable growers. The prices quoted are about what we expect to sell at, but may be higher or lower according to the supply. We mean to offer nothing but strong, stocky, healthy plants. Our prices are reasonable for such plants. All prices subject to change if supply is short.

EARLY CABBAGE.

These plants are grown in cold frames and picked out in flats with ample room to make a stocky growth.

JERSEY WAKEFIELD. Per 100, 1.00; per 1000, 8.00.

HENDERSON'S SUMMER. Per 100, 1.00; per 1000, 8.00.

First Out-Door Grown.

HENDERSON'S SUMMER. Per hundred, 50c.; per 1000, 4.00.

PEERLESS. Per 100, 50c.; per 1000, 4.00.

FOTTLER'S BRUNSWICK. Per 100, 50c.; per 1000, 4.00.

Medium and Late.

ALL SEASONS, FOTTLER'S, BRUNSWICK, STONE MASON, PREMIUM FLAT DUTCH, and other standard varieties. Per 100, 40 to 50 cents; per 1000, 3.50 to 4.00.

CAULIFLOWER.

Cold frame grown, in flats per dozen, 25 cents; per 100, 1.50.

First out-door grown, per dozen, 20 cents; per 100, 1.00.

CELERY.—Transplanted.

BOSTON MARKET, WHITE PLUME, PARIS GOLDEN, GIANT PASCAL, and other standard varieties. Early plants growing in boxes holding about twenty-five plants, per box, 25 cents. For general crop, per 100, 75 cents; per 1000, 6.50.

LETTUCE.—Standard Varieties.

Early Varieties transplanted in flats. Per dozen, 15 cents; per 100, 1.00.

Early and late varieties. Out-door grown. Per dozen, 12 cents; per hundred, 75 cents.

PEPPER.

BELL, OR BULL NOSE AND SWEET MOUNTAIN. In boxes of one dozen. Per dozen, 25 cents.

EGG PLANT.

NEW YORK IMPROVED In boxes of one dozen. Per box, 30 cents.

TOMATO.

FOR HOOK FIRST, ACME, PERFECTION, DWARF CHAMPION, and other varieties. In boxes of one dozen. Per box, 25 cents.

STRAWBERRY PLANTS.

Beder Wood, Beverly, Brandywine, Bubach, Clyde, Epping, Greenville, Glen Mary, Golden Defiance, Haviland, Leader, Lovett's Early, Marshall, M. A. C., Mystic, Ova, Our Choice, Pacific, Parker Earle, Rhiel's Early.

Trimmed and tied in bunches of fifty. Per 100, 1.00; per 1000, 7.00. Not trimmed and loose. Per 1000, 5.00.

Special price on larger quantities.

Remember we are headquarters
for Berry Baskets. See colored
pages in center of catalogue.



Select - Flower - Seeds.

The following List contains a selection of the best and most popular Annual, Biennial and Perennial Flower Seeds adapted for cultivation in the Conservatory, Greenhouse or Flower Garden.

POSTAGE PREPAID on all Flower Seeds at Prices Quoted.

Please Order by NUMBER and Avoid Mistakes.

AGERATUM.

Free flowering, bedding plants, much used for edging; very useful as a cut flower; good for pot culture; hardy annuals.

1. Little Dorrit. Blue; very compact; a profuse bloomer. Pkt. 5c.
2. Mixed Dwarf varieties, $\frac{1}{2}$ to $\frac{3}{4}$ ft., 5c.

ALYSSUM.

Free flowering, pretty little plants for beds, edgings, or rock work, blooming the whole summer.

3. Sweet Alyssum. Fragrant, white, hardy annual. $\frac{3}{4}$ ft., 5c., 1-2 oz. 15c., oz. 25c.



Sweet Alyssum.

4. Little Gem. Grows but three or four inches in height, very compact, of spreading growth, each plant often forming a circle a foot in diameter. 5c.

AMARANTHUS.

Ornamental foliage plant, very showy, graceful and interesting. Of rapid growth and easy culture. Tender annuals.

5. Fine mixed, 5c.

ANTIRRHINUM, or SNAP DRAGON.

Very showy border plants. The Tom Thumb varieties especially are adapted for bedding. Half-hardy perennials; will flower the first season if sown early.

6. Tall mixed, $1\frac{1}{2}$ ft., 5c.
7. Tom Thumb, or Dwarf mixed, $\frac{1}{2}$ ft., 5c.

ASTERS.—Half-Hardy Annuals.

8. Queen of the Earlies. The earliest of all by nearly three weeks. Plants are dwarf and very branching, blooming very freely; the pure white very double flowers are borne on very long stems, rendering them of exceptional value for cutting purposes, 10c.

9. Truffauts Pœony Flowered. Fine large flowers, in curved petals. One of the best; $1\frac{1}{2}$ ft. Choicest mixed, 10c.

10. Victoria. But few varieties equal this, and none excel it. Flowers very full and large, with down-curved petals. A very fine bloomer. Colors beautiful and varied; $1\frac{1}{2}$ ft. Choicest mixed, 10c.

11. Triumph. Plants eight inches high, covered with large, handsome, perfectly formed flowers, of the most faultless pœony form. The color is a peculiarly rich and intensely brilliant scarlet. 10c.

12. Comet. This distinct class of Asters resembles very much the Japan Chrysanthemum in size and shape of flowers. They have a wide range of handsome colors, and are free bloomers; $1\frac{1}{4}$ ft. Choicest mixed, 10c.



Comet Aster.

16. Fine mixed, 5c.

13. Comet, Giant White. This variety is an improvement on the well-known White Comet Aster. The plant is taller and the flowers are of extraordinary size; 2 ft. 10c.

14. Betteridges Quilled. Flowers composed of tube or quill-shaped petals. This is an improved strain, with large, double flowers, and of beautiful colors; 2 ft.; mixed colors; 5c.

15. All varieties; choicest mixed, 10c.

AQUILEGIA.—Columbine.

A class of highly ornamental plants, combining at once flowers the most curious in form, with colors the most beautiful; hardy perennial, 1 to 3 ft.

17. Finest double mixed, 5c.

BALSAMS.

These old garden favorites have been greatly improved in recent years, having much fewer single blossoms than formerly. The Camellia flowered especially are very fine. Half hardy annual; 2 ft.

18. Choice Camellia flowered, mixed, 10c.
19. Fine double mixed, 5c.

BALLOON VINE.

20. A rapid growing, handsome summer climbing annual, attaining a height of 10 to 15 feet, having small, white flowers which are followed by inflated seed vessels, shaped like small balloons 5c.



BATCHELOR'S BUTTON.—Centaurea Cyanus.

21 This is the widely-known and ever popular "Corn Flower" or "Blue Bottle," which, if the seed is sown just as soon as the ground is fit in the spring, will furnish a profusion of white, blue and pink flowers from July until late in the autumn. Hardy annual. 1½ ft. Choice mixed, single and double. 5c.

CALENDULA.—Pot Marigold.

Remarkably profuse and continuous blooming dwarf, bushy annuals of easy culture; indispensable for summer garden or pot culture in the winter. 1 ft.

22 Queen of Trianon. This comparatively new variety is of distinct beauty. The very double flowers are borne in such numbers as to almost cover the plants. Color, bright canary yellow, with a maroon center. 5c.

23 Meteor. Light golden-yellow striped with intense orange. Blooms from May until late in autumn. 5c.

24 Prince of Orange. Similar to meteor but darker. 5c.

CALLIOPSIS or COREOPSIS.

Few, if any, annuals are more useful than these; the colors are rich and striking, flowers are numerous and beautiful; produce a fine effect in mixed borders. Hardy annuals. 2 ft.

25 Golden Wave. (Drummondii.) Plant very bushy and compact, and covered with hundreds of beautiful golden blossoms, two inches across with small, dark centers. 5c.

26 Choice mixed, 5c.

CANDYTUFT.

One of the most useful border annuals; very effective in beds, groups, ribbons, etc.; also very useful for pot culture, for conservatory decoration during the winter. Seeds sown in autumn will flower early in the spring; and sown in April or May will continue in bloom until frost; indispensable for bouquets; hardy annuals.

27 Rocket. White large trusses; 1 ft.; per oz. 25c., pkt. 5c.

28 Tom Thumb. Mixed; very dwarf; only four to six inches high. 5c.

29 Fine mixed; per oz. 25c., pkt. 5c. For perennial varieties, See Iberis.

CANTERBURY BELLS.—Campanula.

When well grown, Canterbury Bells are among the most attractive of border plants. They succeed in light, rich soil, and should be transplanted two feet apart. Hardy biennials, flowering the first season if sown early.

30 Single mixed. 2 to 2½ ft. 5c.

CANARY BIRD FLOWER.
Tropaeolum Peregrinum.

A well-known, desirable climbing plant, of rapid growth; highly ornamental foliage, and a profusion of curiously shaped flowers; the habit of the plant is of a luxuriant and rambling character, and trained on even the most unsightly objects, it imparts to them a most pleasing aspect.

31 Half hardy annuals. 5c.

CARNATIONS.

A magnificent class of popular favorites, most of which are deliciously fragrant, and with colors extremely rich and beautiful. Half hardy perennials, 1 to 1½ ft.

32 Marguerite. Flowering in a few months from seed. Most abundant bloomers; flowers very double, ranging through beautiful shades of reds, pinks, whites, variegated, etc. These sown in spring commence flowering in summer, and continue to bloom until checked by frost. They can be potted and taken in the house and will flower abundantly throughout the winter, though if intended for winter flowering, it will be better to sow later in the season. Mixed colors. 10c.

33. Finest mixed. 10c.

CASTOR BEAN.—Ricinus.

Tall, majestic plants for lawns, with leaves of glossy green, brown or bronzed metallic hue, and long spikes of prickly capsules of scarlet and green. Of very quick growth in rich soil. Tender annuals, 8 to 10 ft. high.

34 Mixed. 5c.

CHRYSANTHEMUM.

The tall, double-flowered annual Chrysanthemums when well grown are among the most showy and effective of summer flowering plants. To allow for individual development, they should be thinned out from twelve to eighteen inches apart; the dwarf kinds make showy bedding plants. Hardy annuals. 12 to 18 inches high.

35 Fine mixed. 5c.

CLARKIA.

A beautiful tribe of favorite plants with pretty, cheerful-looking flowers, growing freely and blooming profusely under almost any circumstances. Hardy annuals.

36 Fine mixed. Double and single. 5c.

COCKSCOMB.—Celosia Christata.

An old popular annual, of easy culture. Flowers much resemble a cock's comb. A favorite for bedding out, and the new dwarf sorts especially make fine pot plants.

37 Dwarf, fine mixed. 5c.

Celosia Plumosa. Feathered or Plumed Cockscomb. Differs from the preceding, in that the plants are of branching habit and produce long feathery plumes instead of comb-like flowers.

38 Mixed colors. 5c.

COSMOS.

A very graceful and showy plant, quite hardy. A very rapid grower, forms bushes from four to eight feet high with fine feathery foliage, covered with flowers resembling a single Dahlia. The mammoth varieties must be started in heat in March, and planted out in June, else but few flowers will show before frost comes. The new Early Flowering, however, although not producing flowers quite as large, can be sown in open ground in May and will flower in July. Hardy annuals.

39 Mammoth fine mixed. 5c.

40 New Early Flowering. 10c.

**CYPRESS VINE.—Ipomoea Quamoclit.**

One of the most popular of all summer climbers; flowers small, thickly set in most beautiful dark-green foliage. Tender annuals.

41. Mixed. 5c.

DATURA.—Angel's Trumpet.

Very showy, strong, vigorous plants, of branching habit, growing three to six feet high. Flowers very large, trumpet-shaped, six to eight inches long; blooms freely if seed is sown early the first season, and the roots can be kept over winter like those of the Dahlia. Tender annuals.

42 Mixed. 5c.

DAISY.—Bellis.

A favorite flower, one of the best early spring flowering; half hardy perennials, flowering the first season if seed is sown early, in the house; though the better way is to sow it in the fall and winter over, in a cold frame; $\frac{1}{4}$ ft.

43 Choice mixed will produce eighty per-cent. double flowers, 10c.

DELPHINIUM.—Perennial Larkspur.

(For annual varieties see Larkspur.)

Plants remarkable for their great beauty, diversity of shades, and highly decorative qualities. They differ greatly in habit of growth, some producing magnificent spikes of flowers, while others are dwarf and completely covered with bloom. The principal color is blue, shading from the softest celestial to the darkest purple, while all are more or less shaded or marked with some other color. $1\frac{1}{2}$ to 3 ft.

44 Elatum, Bee Larkspur mixed. 5c.

ESCHSCHOLTZIA.—California Poppy.

Exceedingly showy, profuse flowering plants, with rich and beautiful colors; attractive for bedding, massing, light, rich soil; hardy annuals. 1 ft.

45 Mixed Colors. 5c.

ETERNAL, OR EVERLASTING FLOWER.

Helichrysum, Etc.

Ornamental border plants, the blossoms of which are extensively used for winter bouquets; hardy annuals.

46 Many varieties and species mixed. 5c.

EUPHORBIA VARIEGATA.

Snow-on-the-Mountain.

47 Hardy annual, with ornamental green foliage, veined and margined with white; very showy, 2 to 4 ft. 5c.

FORGET-ME-NOT.—Myosotis.

A favorite and well known border plant; flowers early, blooms freely, and is indispensable for spring gardening; half hardy perennials, but will flower the first season if sown early.

48 Forget-me-not. Fine mixed varieties. 10c.

FOXGLOVE.—Digitalis.

Well known old favorite of easy culture. Flowers thimble-shaped, produced in spikes on stems from three to five feet high. Hardy perennials.

49 Mixed colors. 5c.

GAILLARDIA.

Splendid bedding plants, remarkable for the profusion, size and brilliancy of their flowers, continuing in beauty during the summer and autumn; hardy annual, $1\frac{1}{2}$ ft.

50 Choice mixed, annual varieties, rich colors. 5c.

GOURDS.—Ornamental.

The varieties in this collection have been selected either for the ornamental character of their foliage, the singularity or symmetry of their fruit, or the variety and peculiarity of their coloring. These are picturesque, curious, interesting and beautiful when grown on mounds, sloping banks, trained over arches, or planted in beds; wherever grown they never fail to excite admiration.

51 Finest mixed varieties. 5c.

GODETIA.

A very desirable, free flowering genus; attractive in beds, mixed borders and ribbons; hardy annuals.

52 Fine mixed. 5c.

GYPSOPHILA.

Delicate, profuse flowering plants of easy growth.

53 Muralis. Of dwarf, compact growth; flowers pink; good for edgings; $\frac{1}{4}$ ft. Hardy annual. 5c.

54 Paniculata. A very graceful plant commonly called Baby's Breath, flowers in very small white panicles. Hardy perennial $1\frac{1}{2}$ ft. 5c.

HELIANTHUS.—Sunflower.

A well-known genus of the most showy plants, remarkable

for their stately growth and the brilliancy of their flowers; hardy annuals.

55 Cucumerifolius, or Miniature. A showy variety, growing about three feet high, of branching habit; blooms profusely through the season, flowers two inches in diameter, orange yellow with black center. 5c.

HOLLYHOCK.

An old popular flower, which in its present almost perfect state is much unlike what it started from; many of them being as double as a rose and of beautiful and varied colors. One of the best for a background. Hardy perennials, 5 ft.

56 Choice double mixed. 10c.

57 Chater's finest mixed. 15c.

HYACINTH BEAN.—Dolichos.

A climbing plant with spikes of purple and white flowers, which are followed by seed-pods of very ornamental appearance. Tender annuals, 10 to 15 ft.

58 Mixed. 5c.

ICE PLANT.—Mesembryanthemum.

59 A trailing plant with succulent stems and leaves, which have the appearance of being covered with ice crystals; excellent for hanging-baskets and rock-work. Tender annuals, $\frac{1}{2}$ ft. 5c.

IPOMOEA.

Rapid-growing annual climbing vines, with ornamental foliage and beautiful, most varied colored flowers. Valuable climbers for the garden and easily grown as the common Morning Glory. 10 to 16 ft.

60 Bona Nox (Good Night, or Evening Glory). Most beautiful large, violet flowers. 5c.

61 Coccinea (Star Ipomœa). Of wonderfully rapid growth; dense foliage, covered with hundreds of the brightest, small scarlet flowers; very showy. 5c.

62 Setosa. (The new Brazilian Morning Glory). A grand and luxuriant climbing vine, which twists tightly about its supports. The lobed leaves are from eight to twelve inches across. Flower about three inches in diameter, tinted pink, with a fine pointed star of satiny pink, followed by curious, heavy seed-pods. 5c.

63 Choice mixed. In large variety. 5c. Per. oz. 25c.

IBERIS.—Perennial Candytuft.

Profuse blooming, pretty little plants especially adapted for rockeries, old stumps, or rustic baskets; they come into flower amongst the earliest spring plants and for a long time continue a dense mass of beauty; hardy perennials. 1 ft.

64 Sempervirens. Pure white. 5c.

LANTANA.

A remarkably handsome, free-flowering, genus of plants, brilliantly colored flowers, constantly changing in hue; very effective, either for pot culture or for bedding. Tender perennials.

65 Finest varieties mixed. 5c.

LARKSPUR.—Delphinium.

(For perennial varieties. see Delphinium.)

Extremely ornamental plant of great beauty, combining the richest possible variety of brilliant and effective colors, with great duration and profusion of bloom; hardy annuals.

66 Tall double mixed. $1\frac{1}{2}$ ft. 5c.

67 Double Dwarf Rocket. Fine mixed. 1 ft. 5c.

LOBELIA.

Pretty, graceful little plants; those of trailing habit being used for hanging pots and rockeries, and those of dwarf, compact habit are excellent for edgings and bedding.

68 Gracilis. Light blue, slender trailer. 5c.

69 Mixed Dwarf varieties. 5c.

LOVE-IN-A-MIST.—Nigella.

This singular plant is known also as Lady-in-the-Green and Devil-in-a-Bush, because the blossoms are partially concealed by the abundance of finely cut foliage. Hardy annual, 1 ft.

70 Choice mixed. 5c.

MARIGOLD.

Well known, free flowering plant with handsome double flowers of rich and beautiful colors. The African is the most striking in large beds or mixed borders. Half hardy annuals, 1 to 2 ft.



71 African choice mixed, 5c.

72 French choice mixed, 5c.

73 Miniature Gold Nugget. This charming variety is remarkable for its dwarf, dense growth, flowering from July till frost; the blooms being very double, of a peculiar shade of

color, like Australian gold. 5c.

74 Eldorado. Without exception the very finest type of this showy autumn flower. The flowers are from three to four inches in diameter, and very double. 5c.

MARVEL OF PERU, or FOUR-O'CLOCKS.

Mirabilis.

Few plants combine so much beauty, both of foliage and flowers, as this handsome genus; the roots may be preserved through the winter. Half hardy annuals. 2 ft.

75 Fine mixed. 5c.

MIGNONETTE.—Reseda Odorata.

A well-known, fragrant favorite. If well thinned out immediately when the plants are large enough, they will grow stronger and produce larger spikes of bloom. Hardy annual.

76. Sweet Mignonette. 5c., oz. 10.

77 Parson's White. Nearly white, fragrant. 5c.

78 Golden Queen. Flowers golden yellow. Growth, dwarf but dense. 5c.

79. New Quaker City. Flowers a handsome gold-red, rich and fragrant; foliage very dark. 5c.

80 New Giant-Flowered Red. Form pyramidal, quite distinct, very striking and handsome. 5c.

81 Choice mixed. Our own mixture of the above and other varieties. 5c., oz. 25c.

**MORNING GLORY.—Convolvulus.**

A well-known climber which needs no description.

82. Major. Tall fine mixed. 5c., oz. 15c.

83 Minor. Dwarf fine mixed. 5c., oz. 15c.

84 New Japanese. (*Ipomoea triloba*.) Giant flowers with great variety of colors and shades. 10c. oz. 25c. (See page 16.)

MOON FLOWER.

(*Ipomoea grandiflora* Alba.)

85 This is one of the most vigorous of all the summer climbers. Will grow thirty to forty feet in a single season, and be covered with its large, white flowers every evening and cloudy day. Complaint is

sometimes made that the seed fails to grow satisfactorily. This is entirely due to the method of treatment. If the hard, outer coat of the seed is cut through with a sharp knife and then planted in a warm place and kept moist germination will take place in ten days to two weeks. After the plants are up, keep growing vigorously, and plant in very rich soil when danger from frost is past. 10c.



CONVOLVULUS TRICOLOR.

NASTURTIUM TALL.

(*Tropaeolum Major*.)

Well-known profuse flowering plants, admirably adapted for rock-work, banks, covering trellises, or rustic work; the seed if picked young, are an excellent substitute for capers; hardy annuals.

86 Hybrids of Madam Gunter (new.) Very beautiful and distinct. See specialties 10c., oz. 25c.

87 Fine mixed. 5c., oz. 10c.

88. Collection of 12 distinct colors. 50c.

**NASTURTIUM DWARF.—Tropaeolum Nanum.**

The Dwarf Improved varieties of Nasturtium are among the most useful and beautiful of garden favorites for bedding, massing or ribbing; their compact growth, rich-colored flowers and the freedom with which they bloom, all combine to place them in the category of first-class bedding plants; should be grown in rather poor soil; hardy annuals.

89 Collection of twelve distinct colors. 50c.

90 Fine mixed from named varieties. 5c., oz. 10c.

PANSY.—Viola Tricolor.

The Pansy is so well known and such a favorite that it would be difficult for us to say anything in the way of praise. For summer and fall blooming, sow in the spring, and if transplanted to a cool, shady place, the flowers will be much larger. The wilted flowers and seed pods should be kept picked off, which will prevent exhausting the plants, and continue their blooming. For early spring blooming sow in August and September, transplanting to slightly elevated beds of light, rich loam, thoroughly fertilizing with well-rotted manure, and protecting with evergreen boughs or other light covering.

91 Trimardeau. Is of French origin, the flowers are the largest of any variety; each flower is marked with three large blotches or spots quite distinct. Mixed colors. 10c.

92 Odier, or Five-Blotched. Beautifully colored, each petal marked with a large, dark blotch. Extra choice strain, mixed colors. 10c.

93 Giant mixed. Our very choice mixture comprises the preceding two strains and many other equally choice ones, both of the Mammoth strains and those which are noted for their peculiar markings as well. Our price is very low for this choice seed. 10c.

94 Choice German mixed. 10c.

95 Choice English mixed. 10c.

96 Extra large mixed. 10c.

97 Good mixed. 5c.

PETUNIA.

Petunias are unsurpassed for massing in beds. Their richness of color, duration of bloom and easy culture will always render them popular. They do well sown in open border in spring or earlier in cold frame or hot bed, and transplanted eighteen inches apart. Tender perennials, but blossom profusely the first year. 3-4 to 11-2 ft.

98 Large flowered mixed. 10c.

99 Finest Striped and Blotched. Saved from striped and blotched varieties only. 10c.

100 Inimitable Dwarf. Compact, eight inches in height, covered with regularly striped flowers. 10c.

101 Fine mixed. 5c.

PHLOX DRUMMONDI.

A very popular annual. But few flowers are more showy or beautiful, or can be cultivated with greater ease. Their long duration in bloom, combined with their almost unequaled richness of color, render them of invaluable service in the general flower garden; 1-2 to 2 ft.

102 Grandiflora. Large flowered. Fine mixed. 10c.

103 Nana Compacta, Dwarf. Fine mixed. 10c.

104. Starred and fringed. 10c.

105 Choice mixed. 5c.

PINK.—Dianthus.

The Dianthus family furnishes us with many of our most beautiful flowers, including the Carnation, Sweet William, Florist's Chinese and Japan Pinks, in all their varieties. Hardy and half hardy annuals, biennials and perennials, but nearly all blooming the first year from the seed.

106 Heddewig's Single Mixed. (*Chinensis Heddewigii*.) Flowers deeply fringed or feathered; half hardy annual. 5c.

107 Double China. (*Chinensis*, fl. pl.) A biennial of dwarf habit; flowers the first year, but the bloom is stronger the second. 5c.

108 Heddewig's Double. (*Chinensis Heddewigii* fl. pl.) Flowers very large and double, having a diameter of nearly three inches; of various shades of brilliant colors. Half hardy annual. 5c.

109 Double Diadem. (*Diadematus* fl. pl.) Very regular, densely double and of all tints from crimson purple to deep black purple. Half hardy biennial, blooming freely the first season. 5c.

110 Double Imperial. (*Chinensis Imperialis*, fl. pl.) Very double and of great variety of colors. About one foot high. 5c.

111 Double Japan. (*Chinensis Laciniatus*, fl. pl.) To be appreciated these should be seen; rich in hue, very double, deeply fringed petals—only lacking fragrance to make them perfect. Half hardy biennial, blooming freely the first season. 5c.

112 Our own mixture of above varieties. 5c.

POPPY.

Well known hardy annual, very free bloomer; should be sown where wanted to grow as it does not bear transplanting well; 1 to 2 ft.

113 Carnation. Double mixed. 5c.

114 Danebrog. Brilliant scarlet, having a large silvery-white spot on each petal forming a Maltese cross; showy and striking. 5c.

115 The Shirley. Flowers large, exceedingly graceful and elegant; the colors are varied and range from blush white rose, delicate pink and carmine, through innumerable tints to bright crimson. 5c.

116 Tulip Flowered. Produces large, splendid bright scarlet flowers well above the foliage. The two outer petals of the flower form a tulip cup and after a time black spots appear at the base of each petal. Strikingly beautiful, reminding one of a dazzling bed of tulips; hardy annual; about one foot high. 5c.

PORTULACA.

Brilliant dwarf annuals, only six inches high, luxuriating in warm situations, and blooming profusely from early summer to autumn. For low beds and masses of color, from spring until frost, they are indispensable; colors range through innumerable shades of red, yellow, pink, striped, white, etc.

117 Single mixed. 5c.

118 Grandiflora, fl. pl. These seeds have been selected from large, double flowers of the most beautiful and brilliant colors. 10c.

ROCKET.—Hesperis.

Very pleasing, early spring flowering profuse blooming plants, with deliciously fragrant flowers, growing freely in any light, rich soil. Unlike most plants they do better if transplanted every second season; hardy perennials; 1½ ft.

119 Mixed, purple and white. 5c.

SALPIGLOSSIS.

Ornamental and useful plants for autumn decoration; their curiously penciled and marbled funnel-shaped flowers produce a fine effect in beds, borders, edgings and ribbons; half hardy annuals.

120 Choice mixed. Tall, 2 ft. 5c.

121 Dwarf varieties, 1 ft. 5c.

SALVIA.

Very ornamental; flowers borne in spikes of fiery red, crimson, or blue, and continue bloom in open ground until after severe frosts. Start in heat and transplant into light soil one to two feet apart.

122 Splendens. Brilliant scarlet. The best of all the Salvias; 2ft. 10c.

SCABIOSA—Mourning Bride.

The old well known Sweet Scabiosa is not as generally cultivated as it deserves. The perfectly double flowers are useful for cutting; they are gracefully borne upon long, slender stems well above the foliage.

123 Tall German. Mixed. All colors; 2ft. 5c.
124 Double Dwarf. Mixed. Of compact habit, profusely bearing globular shaped double flowers of great beauty. 5c.

SENSITIVE PLANT.—Mimosa.

Very curious and interesting plants, their leaves closing if touched or shaken; half hardy annuals.

125 Sensitive plant. Pinkish white; 1½ ft. 5c.

STOCKS.—Ten Weeks.

The stocks as now grown are indispensable where a fine display of flowers is wanted. To such perfection has selection brought them, that good seed will give a large proportion of flowers as double and as large as the named sorts grown from cuttings. 1 to 1½ ft.

126 Dwarf large flowering mixed. This variety produces more double flowers than any other. Unequalled for bedding purposes; finest mixed varieties. 10c.

127 Giant Perfection. One of the best, large-flowering, pyramidal varieties. Mixed colors. 10c.

127½ Cut-and-Come-Again. White. 15c.

SWEET WILLIAM.—Dianthus Barbatius.

For display in the garden, the Sweet William is unsurpassed. The seed can be planted very early in the spring, in open ground, and will blossom the following summer; or it can be sown in August and will make fine blooming plants for spring. Hardy perennials; 1½ ft.

128 Choice mixed. Single and double. 5c.

VERBENA.

A well-known favorite flower, which should be more generally grown from seed. If seed is sown in February, or even the first of March the

plants will bloom freely in the summer and autumn, and will be more vigorous and produce better flowers than from cuttings. Half hardy perennial; trailer, 1 ft.

129 Italian striped. Mixed; saved from a rich collection of carnation-striped flowers. 10c.

130 Mammoth choice mixed. Extra fine strain with very large flowers and great variety of colors. 15c.

131 Very choice mixed. Selected from finest named varieties. 10c.

132 Good mixed. 5c.

WALL FLOWER.

The flowers of the Wall Flower are deliciously fragrant and greatly prized; the large, massive, conspicuous spikes of the Double German varieties have a charming effect, while the more bushy, compact growth and profuse blooming single ones render them exceedingly attractive. Tender perennials; 1½ ft.

133 Single fine mixed. 5c.

134 Double choice mixed. 10c.

ZINNIA.

An old very popular flower which in late years has been greatly improved. The colors are good and varied. They succeed best in a good rich soil, and sunny situation. Hardy annuals. ½ to 1½ ft.

135 Mammoth double choice mixed, very fine. 10c.

136 Dwarf double choice mixed, ½ ft. 10c.

137 Haageana Double. Dwarf variety with double flowers of a deep orange color; about one and a quarter inches in diameter; fine for cut flowers. 1 ft. 10c.

138 Striped, or Zebra mixed. 5c.

139 Good double mixed. 5c.

WILD CUCUMBER.—Echinocystis.

A rapid growing and ornamental climber of easy culture.

140 Lobata. 5c.

WILD FLOWER GARDEN MIXTURE.

141 This mixture is made from a large number of the best free-flowering annuals, and will be found very useful to sow in various places where there is quite an area to be filled up without much expense or labor. If properly cared for and weeds are kept out, this mixture will furnish flowers continually through the season. 5c; oz. 25c.; ½ lb. 75c.

Insecticides for Poultry, Cattle and Plants.

MERIT WINS.

Which is the reason of the enormous sale last season of the celebrated

P. D. Q.
POWDER DRIVES QUICKLY

DISINFECTANT
INSECT POWDER.



MANUFACTURED ONLY BY THE

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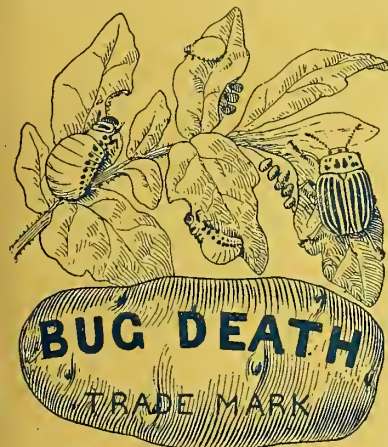
Chicago, Ills., 209 Ceylon Building.

We are selling agents for these goods and can ship immediately any quantity at factory prices. Packed as follows: 1 lb. boxes in cases of 3-6-12 dozens each. 5 lb. bags in cases of 1 and 2 dozens each.

Which was awarded the First Prize and Diploma by the Judges at the Great Rhode Island State Fair, held in Providence, Sept. 6-10, 1897, as being the best article upon the market to destroy Fleas, Lice and all Vermin from Dogs, Cats, All Animals, Poultry and Plants.

Guaranteed not Poisonous. No washing of animals necessary. Prices, One pound box 25c., Five pound bag \$1.00. If by Mail or Express Prepaid add one cent per ounce.

I have examined the P. D. Q. Powder here described and should be willing to write on every box, "Personally Guaranteed" by Prof. Willard H. Morse, M. D. F. B. S. Sc.



Pat. March 16 and Nov. 9, 1897.

Pat. in Canada Nov. 2, 1897.

The vine is damp is that it will adhere to the vine under all conditions and can be done while the farmer is waiting for good weather and is there ready for the grub as soon as hatched. Price, 1 lb. 15c., 3 lbs. 35c., 5 lbs. 50c., 12 1-2 lbs. \$1.00. Give it a trial.

Morrill's Canker Worm Exterminator.

A sure protection for fruit trees and ornamental trees from the ravages of the grub and canker-worm. As easily applied as paint or whitewash, by first placing a band of tarred paper six inches in width, securely fastened around the tree four feet above the ground, then covering the paper thoroughly with the exterminator, using a common paint brush. For 2 lb. cans, 30c., 3 lb. cans, 45c., 5 lb. cans, 60c., 10 lb. cans, \$1.10, 20 lb. cans, \$2.00.

TOBACCO DUST. Kills green and black fly, etc., if dusted on when the plants are moist. Small size, 15 cents, large size, 25 cents.

Greeley's Cholera Cure. The only known and unfailing remedy for cholera, indigestion, diarrhoea, and bowel diseases of poultry. Price, 50 cents.

Greeley's Roup Cure. The result of twenty-five years' experience. A sure cure if used in season. Price, 25c.

Lambert's Death to Lice. As its name implies, it is sure death to lice on hens and chickens. It is harmless to human and animal life. Should be used on setting hens; it will not injure the eggs or harm the youngest chick. Large size, 50c., small size, 25c.

Bug Death.

It is a non-poisonous article that effectually takes the place of Paris Green and other dangerous insect powders. It is sure death to the Potato, Squash and Cucumber Bugs, Currant and Tomato Worms, and many other plant eating pests. It is a plant food of great merit, a benefit instead of injury to all plants, and prevention of blight or rust to the potato tops, keeping the tops healthy until the potato fully matures, which means a more starchy and perfect potato, less liable to rot. It is applied dry, which saves the trouble and expense of carrying water. It will not blow or wash off, saving the expense of applying after every shower. It can be applied early in the morning when plant is wet or during damp, drizzly weather. The advantage of applying it while the vine is damp is that it will adhere to the vine under all conditions and can be done while the farmer is waiting for good weather and is there ready for the grub as soon as hatched. Price, 1 lb. 15c., 3 lbs. 35c., 5 lbs. 50c., 12 1-2 lbs. \$1.00. Give it a trial.

Hammond's Slug Shot.

Hammond's Slug Shot is a combination of the most potent insecticides and soluble plant food, not harmful to either man, beast or fowl, but probably the most effective and economical article in use for the destruction of the various insects that prey upon cultivated vegetation. It is put up in paper bags, holding 5 and 10 pounds each, and in barrels loose. 5 lb. package, 25c., 10 lb. packages, 50c., in barrels, per lb., 4c.



Strictly Pure Paris Green. For the destruction of the potato bug. Per lb. 25c., 1-2 lb. 15c., 1-4 lb. 10c.

London Purple. Used by some in place of Paris Green. Per lb. 25c.

Hellebore. Sure death to the currant worm. Per lb. 25c., 1-2 lb. 15c., 1-4 lb. 10c.

Whale Oil Soap. For destroying insects on plants, etc., in small boxes, per box, 25c., in 10 lb. lots or over, per lb. 10c.

Spanish Pink. Non-poisonous to man or beast; kills Cabbage Willow and web worms, caterpillars, rose and potato bugs, excellent for squash, cucumber and melon vines. Price per lb. 30c.

Lion Brand Bordeaux Mixture. This mixture is put up in one gallon patent cans. Retail for \$1.00. One gallon will make 50 gallons by the addition of 49 gallons of water. Gal. cans, \$1.00.

Cold Tar. In quart tin boxes. For tarring corn to prevent crows from pulling it. Per can, 25c.

Dry Bordeaux Mixture and Paris Green. It kills potato bugs and all plant-eating pests, prevents blight and rust, keeps potato and tomato vines and other foliage in a green and vigorous condition. Paris Green has always been known as the best insecticide, and Bordeaux Mixture is acknowledged to be the best fungicide, and, according to reports received from different Experiment Stations of the United States, it is being more extensively used every year. In one and three pound boxes, per lb. 20c.

MAPLE BRAND HARD WOOD ASHES.



**CANADA UNLEACHED
HARD WOOD ASHES
SHIPPED IN
CARLOADS
BULK, BAGS
OR BARRELS**

We have made arrangements to furnish the above brand of ashes to our customers in car lots direct from Canada. There is no better brand and we doubt if any as good.

The main features of wood ashes are that they contain Potash, Phosphoric Acid and Lime, obtained from a source which places them naturally, in the most soluble and therefore the most available and acceptable form necessary for the plant. Potash and Phosphoric Acid are two of the mineral elements of plant food which are taken up by growing plants.

POTASH.

Potash exists in Wood Ashes in readily soluble form, and being very caustic, it is an active agent in the decomposition of vegetable matter, and exerts an influence on the mechanical condition of the soil. This accounts for the prompt and often astonishing effect that application of Wood Ashes usually have upon plant growth.

PHOSPHORIC ACID.

The Phosphoric Acid contained in Wood Ashes is water soluble, and like the Potash, exists in the form most acceptable to plant life. It is especially useful for the production of grain and the development and ripening of seeds generally.

Ashes may be shipped in full cars or in bags. Price, 1 ton, \$13 00; 2 tons, \$25.00; 3 tons, \$36.00. Car lots as low as any reliable dealer. Small lots for lawn dressing delivered in any part of the city, \$1.00 per 100 pounds.

FERTILIZING MATERIALS.

As the demand for raw materials for home mixing has increased so in the last few years, we have arranged for these goods in car lots direct from the boat and thereby save all extra expense of handling. Early buyers will get lower prices than we can furnish it at later in the season.

NITRATE OF SODA.	95 per cent. purity.
	Per 100 lbs., \$2.50; per ton, \$43.00
MURIATE OF POTASH.	80 to 85 per cent.
	Per 100 lbs., \$2.50; per ton, \$43.00
SULPHATE OF POTASH.	50 to 55 per cent.
	Per 100 lbs., \$1.75; per ton, \$30.00
SULPHATE OF POTASH.	90 to 95 per cent.
	Per 100 lbs., \$2.75; per ton, \$50.00
SULPHATE OF AMMONIA.	25 per cent.
	Per 100 lbs., \$3.50; per ton, \$70.00
DIS. BONE BLACK.	15 per cent.
	Per 100 lbs., \$1.50; per ton, \$24.00
DIS. BONE BLACK.	12 per cent.
	Per 100 lbs., \$1.40; per ton, \$22.00
DRIED BLOOD.	12 to 14 per cent.
	Per 100 lbs., \$2.00; per ton, \$35.00
DRIED BLOOD.	8 to 10 per cent.
	Per 100 lbs., \$1.75; per ton, \$32.00
KAINIT.	Per 100 lbs., \$1.00; per ton, \$14.00
TANKAGE.	6 to 8 per cent. Ammonia.
	Per 100 lbs., \$1.50; per ton, \$27.00
SULPHATE OF MAGNESIA.	Per 100 lbs., \$1.00; per ton, \$15.00
PLAIN SUPERPHOSPHATE.	Per 100 lbs., \$1.00; per ton, \$18.00
SOUTH CAROLINA FLOAT.	Per 100 lbs., \$1.00; per ton, \$15.00

PULVERIZED SHEEP MANURE.

This is a pure natural manure, and the most nutritious food for plants. Its effect is immediate, much more lasting and healthy than guano or any other manure. It is the best of all manures for mixing with the soil for green house plants. It makes the richest, safest, and quickest liquid manure, rivaling guano, without any deleterious effects.

Price, 4 lb. package, 25 cts.; 10 lb package, 50 cts.; 100 lb. bag, \$2.00.

PURE FINE GROUND BONE.

Bone at the present price is the cheapest form in which phosphoric acid can be obtained; put up in tight bags we can ship to any state in the Union. We have shipped tons to the southern peach growers. We handle nothing but high grade bone, and are in a position to make very low prices on 5 and 10 ton lots. Price per ton, \$26.00; 100 lb. lots for lawn dressing delivered to any part of the city, \$2.00.

GYPSUM OR LAND PLASTER.

Plaster is Sulphate of Lime and Sulphuric Acid. The latter performs its wonderful work upon our crops when sown as Gypsum and is the strongest of all acids. Price per ton, in bags, \$8.00; per bag, 200 lbs., 90 cents. Car loads a specialty.

ROSS BROS. SPECIAL FORMULA FOR LAWN DRESSING.

This is a mixture of Chemicals with Bone and Ashes combined in the right proportions to carry a lawn through the season. While we have a liberal supply of Nitrogen which gives the grass a very early start we have also Bone and Potash enough to carry it through. We put this up in 25, 50 and 100 lb. bags. Price, 25 lbs., 60 c.; 50 lbs., \$1.15; 100 lbs., \$2.00.

"JADOO" FIBRE.

A new material in which every plant thrives without earth. Suits all kind of plants. As many as thirty different kinds of earth mixtures are required for successfully growing the different kinds of plants. "JADOO" Fibre does away with all of this. Send for Circular.

PRICE LIST.

Bulk in Bags of 130 to 150 lbs.

Per ton, half ton or quarter ton.....	.02 c. per lb.
Per Single Bag.....	.03 c.
25 lbs. in Boxes.....	\$1.10 per box.
10 lbs. ".....	.50 "
5 lbs. ".....	.30 "

REQUISITES FOR THE Poultry Department

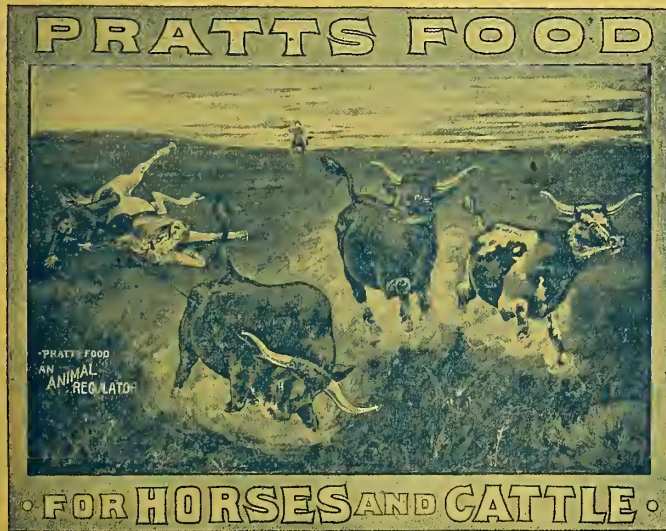
BEST GOODS AT LOWEST PRICES.

Pratt's Poultry and Cattle Foods

Still in the Lead,

NOT WITHSTANDING THE MANY NEW KINDS OF FOOD ON THE MARKET. OUR TRADE IS CONSTANTLY INCREASING ON PRATT'S.

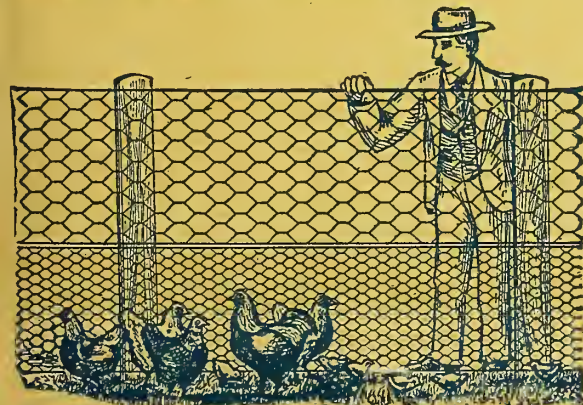
LARGE ILLUSTRATED BOOK ON HOW TO CARE FOR POULTRY MAILED FREE. SEND FOR IT.



GALVANIZED SPECIAL TWIST POULTRY NETTING.

The Best Fence Made for Poultry or Pets.

About one-third of a cent per square foot. We can furnish all widths from one to six feet, one, two and three inch mesh. Please compare our prices with others before you buy.



PRATT'S FOOD FOR HORSES AND CATTLE

Is absolutely pure and free from poisons and all other injurious ingredients. A purely vegetable preparation, containing no mineral or other poison. It is not a medicine nor a condition powder, but should be fed regularly.

PRICES.

Poultry Food, large size, each.....	\$.60
Poultry Food, small size, each.....	.25
Poultry Food, 12 lb. bags, each.....	1.25
Poultry Food, 25 lb. bags, each.....	2.50
Cattle Food, 12 lb. bags, each.....	.75
Cattle Food, 25 lb. bags, each.....	1.50
Old Fashioned Beef Scrap, per 100 lbs.....	2 00
Ground Oyster Shells, " " ".....	.75
Cracked Raw Bone, " " ".....	2.00
Granite Grit, " " ".....	.75



Pioneer Clover Meal.

Pioneer Clover Meal is pure clover ground to a very fine meal, especially prepared for poultry food. It is a "new thing" and the grandest achievement for the promotion of profitable poultry raising that has been accomplished in a generation. It has made summer conditions of feeding possible in the winter, as it forms a perfect substitute for green grass. Pioneer Clover Meal is the only practical form in which clover hay can be fed to poultry, as it is ground, not cut to a very fine meal, and mixes readily with ground grains. Price per 100 lbs., \$2.00.

1 foot No. 19 Wire, 2 inch Mesh.....	\$.70	No. 20....	\$.60
1½ " " " " ".....	1.00	" ....	.90
2 " " " " ".....	1.30	"	1.20
2½ " " " " ".....	1.65	"	1.50
3 " " " " ".....	2.00	"	1.80
4 " " " " ".....	2.60	"	2.35
5 " " " " ".....	3.25	"	2.90
6 " " " " ".....	3.90	"	3.50
1 " " " 1 inch ".....	1.70	"	1.50
1½ " " " " ".....	2 55	"	2.00
2 " " " " ".....	3.40	"	3.00
2½ " " " " ".....	4.20	"	3.65
3 " " " " ".....	5.00	"	4.35

MANN'S NEW IMPROVED GREEN BONE CUTTERS

ARE THE STANDARD OF EXCELLENCE.

Send for Illustrated Circular.



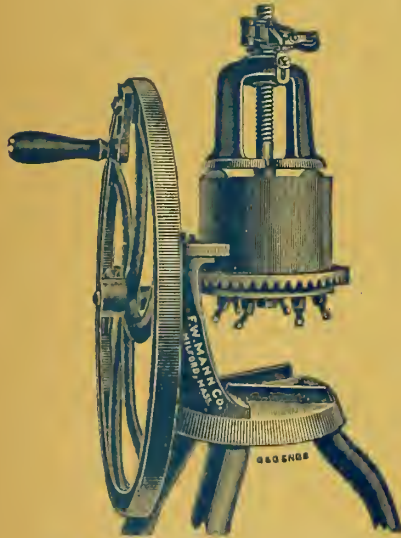
Price, \$28.00. Weight, 180 lbs.



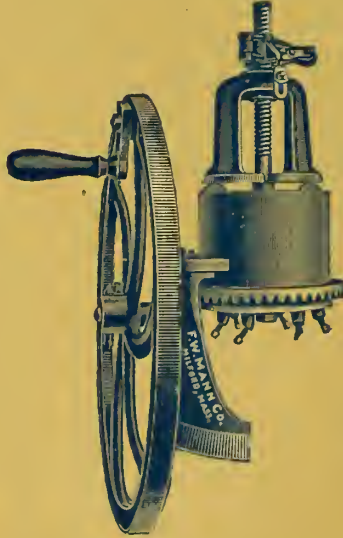
Price, \$23.00. Weight, 140 lbs.



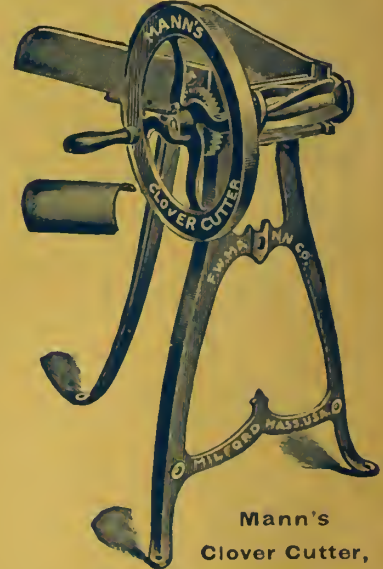
Price, \$32.50. Weight, 175 lbs.



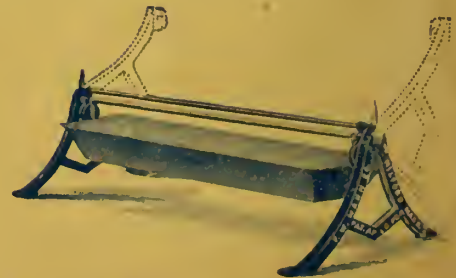
4 BM. Price, \$21.25. Weight, 105 lbs.



4 B. Price, \$17.50. Weight, 80 lbs.

Mann's
Clover Cutter,
With stand. Price, \$12.50

BM. Price, \$12.50. Wt., 80 lbs.

1 B. Price, \$8.75.
Weight, 55 lbs.1 C. Price, \$6.25.
Weight, 30 lbs.

Swinging Feed Tray for Poultry.

Price, 18 in. \$1.25; 27 in. \$1.57; 36 in. \$1.88

WE CAN FURNISH ANY SIZE AT FACTORY PRICE.

MAPES FERTILIZERS Reduced in Price but Not in Quality.

For twenty years the Mapes Fertilizers have been acknowledged as the standard brand and have sold at an advance of five to eight dollars per ton. They claim no slight-of-hand trick in mixing their goods, but put up a bold guarantee that not one pound of rock is used in compounding their goods; their potato manures contain no muriate of potash. Only high grade sulphate is used.

The Basis of Mapes Manures is Pure Bone, and the BEST FORMS of Ammonia, Nitrogen and Potash are added and in the best proportions. They enrich the soil same as stable manure. Hundreds of farms brought up and maintained in rich condition with paying crops for some twenty years, including the past years of 1896, 1897 and 1898.



Field of Grass grown by J. E. Fuller, Worcester, Mass., manured with **The Mapes Grass Top-Dressing**.
A remarkably heavy crop, with a second crop yielding one to two tons per acre.

Potato Manure. Ammonia, 4.50 to 5 per cent.; Phosphoric Acid, 8 to 10 per cent. (soluble and available, 8 per cent); Soluble Potash, actual, 6 to 8 per cent., all as high grade Sulphate, and in forms free from Murates (or Chlorides), Magnesia, Lime, etc. For Irish and Sweet Potatoes, also for Asparagus, Early Vegetables, Tomatoes, Sugar Beets, Sorghum and Sugar Cane.

Per ton, \$39.00.

Corn Manure. Ammonia, 3.50 to 5 per cent., Phosphoric Acid, 10 to 12 per cent. (soluble and available, 8 to 10 per cent); Soluble Potash, actual, 6 to 7 per cent. For Sweet Corn, Fodder Corn, Hungarian Grass, Millet, Late Turnips, Late Cabbage, and Seeding to Grass. Per ton, \$35.00.

Complete Manure (for general use). Ammonia, 4 to 5 per cent.; Phosphoric Acid, 10 to 12 per cent. (soluble and available, 8 to 10 per cent.); Soluble Potash, actual, 4 to 5 per cent. A substitute for stable manure. For use on all crops and all soils, with or without stable manure. Use broadcast; if any in hills, use sparingly. Special for Oats, Hungarian Grass, Vegetables, Melons, Tomatoes and Seeding with or without grain. Per ton, \$37.00.

Grass and Grain Spring Top-Dressing. Ammonia, 5 to 7 per cent.; Phosphoric Acid, 7 to 9 per cent. (soluble and available, 7 per cent.); Soluble Potash, actual, 5 to 7 per cent. Per ton, \$40.00.

Economical Potato Manure. Ammonia, 4 to 5 per cent.; Phosphoric Acid, 6 to 8 per cent. (soluble and available, 4 to 5 per cent.); Soluble Potash, actual, 8 to 10 per cent.; all as high grade Sulphate and in forms free from Murates (or Chlorides).

Per ton, \$36.00.

Fruit and Vine Manure. Ammonia, 2 to 3 per cent.; Phosphoric Acid, 7 to 9 per cent. (soluble and available, 5 to 7 per cent.); Soluble Potash, actual, 10 to 12 per cent.; all as high grade Sulphate and in forms free from Murates (or Chlorides.) For insuring fruiting power, particularly in quality of fruits in vineyards (Grapes), Pears, Apples, Plums, Strawberries, and small fruits. Is slow in effects. Per ton, \$39.00.

Complete Manure. ("A" Brand.) Ammonia, 3 to 4 per cent.; Phosphoric Acid, 12 to 16 per cent. (soluble and available, 10 to 12 per cent.); Soluble Potash, actual, 2.50 to 3.50 per cent. For use in hill or drill on all crops, particularly in connection with farm manure. Special for Peas, Beans, Buckwheat and Turnips. Per ton, \$34.00.

Complete Manures for Light Soils, or Vegetable Manure for all Soils. Ammonia, 6 to 8 per cent.; Phosphoric Acid, 8 to 10 per cent. (soluble and available, 6 to 8 per cent.); Soluble Potash, actual, 6 to 8 per cent. This is our special manure on all kinds of soils, for Truck, Early Vegetables, Onions, Celery, Tomatoes; also on light soils for Oats, Hops and Barley. All vegetables require liberal supplies of soluble potash, and in the proper forms. Even with heavy or clay soils the natural supplies of potash are insufficient. Per ton, \$40.00.

Cereal Brand. Ammonia, 2 to 3 per cent.; Phosphoric Acid, total, 8 to 10 per cent. (soluble and available, 6 to 8 per cent.); actual Potash, 3 to 3.50 per cent. For Corn, Oats, Rye, Buckwheat, etc. Specially adapted for use in hill or drill. Per ton, \$28.00.

The above prices are for ton lots. Small lots \$1.00 per ton extra. Two ton lots \$1.00 per ton less.

Reliable Fertilizers.

Farmers, Agents, Granges
and Farmers' Clubs!

Do you want to buy the Best Grades of Fertilizers at
Wholesale Prices?

We have decided to sell this season at a smaller margin of profit than ever before, and it will pay you and market gardeners and all large buyers to get our prices before placing your orders. Nitrate of Soda and Potash are the two principal ingredients used in the manufacture of high grade goods. Soda comes from Chili; potash from Germany. You will therefore see that manufacturers located back from the coast are obliged to pay from \$3.00 to \$5.00 per ton more for these goods than such people as Bradley and Mapes, as freights must be added to the cost of the goods and the consumer has it to pay. Any western or interior company must either charge more for their goods or cheapen the quality. Before trying some of the so-called wonders, think it over and send us a memorandum of what you will want. We can give you better value for your money than you can get buying of small dealers.

BRADLEY'S STANDARD FERTILIZERS

☛ Whatever the crop or the conditions, : : : :

☛ If you buy BRADLEY'S you take no chances.



In buying their products you gain all the benefit of their own exhaustive experiments in practical agriculture, covering more than the third of a century and checked by the experience of hundreds of thousands of farmers who have used Bradley's Fertilizers with unvarying satisfaction upon millions of acres of land, upon all kinds of crops, and under all the varying conditions of soil and climate.

BRADLEY'S POTATO MANURE,

For growing Smooth, Sound Potatoes of the Best Quality, without Barnyard Manure. Bradley's Potato Manure is in no sense a theoretical or experimental mixture, but is prepared from formulas which repeated field tests have proven will produce the largest crops of smooth, sound potatoes.

Bradley's Complete Manure for Potatoes and Vegetables

Is particularly rich in ammonia and potash, and has given phenomenal results in growing large crops of the best quality of potatoes, onions, beets, turnips, carrots, cabbages, squashes, melons, etc. It is the most perfectly balanced fertilizer manufactured for growing all kinds of root crops and market garden truck. It is the market gardener's favorite.

===== OUR PRICES FOR 1899. =====

Bradley's XL Phosphate, 25 lb. bag,	.	.	\$.60	Bradley's XL Phosphate, in 100 lb. bags, ton lots,	\$33.00
Bradley's XL Phosphate, 50 lb. bag,	.	.	1.00	Bradley's Potato Manure, in 100 lb. bags, ton lots,	33.00

Bradley's Complete Manures for Potatoes and Vegetables—Corn and Grain—Top Dressing and Grass and Grain—

Bradley's Complete Manure with 10 per cent. Potash, in ton lots, \$37.00.

SPECIAL PRICES ON FIVE AND TEN TON LOTS.

ARTIFICIAL INCUBATION.--No more Bother with Hens-

FOR hundreds of years the old speckled hen has held all the premiums and medals awarded as the most perfect and reliable hatcher. There have been competitors at one time or another, but they have been lost to view and others arisen. The hen has, however, kept on in the same old way. She sits and hatches now as she did before Noah took her into the ark. She still gathers the chicks under her wings, as though there were no brooder in the land. She is as reliable, true and faithful as ever.

But there are serious complaints made against her. She does not consider that young chickens are wanted in February and March instead of May and June. She does not care for the demand of Saratoga, Long Branch or New York markets; but when she gets ready to sit she will sit, commonly in May or June. Another charge against her is that she can cover only thirteen or fifteen eggs, whereas, a hatcher is wanted that will spread its warm body over any number at once. In point of time and numbers there is quite a difference.

SO THEY SAY "THE OLD HEN MUST GO."

She cannot keep up with the demands of the times. The great difference between prices of June and October make it very desirable to produce chickens for the June market. This requires that they should be hatched in February and March. As it is out of season for the hens to be hatching this time of year, only a few can be obtained; so that the demand is not filled and the prices are kept up.

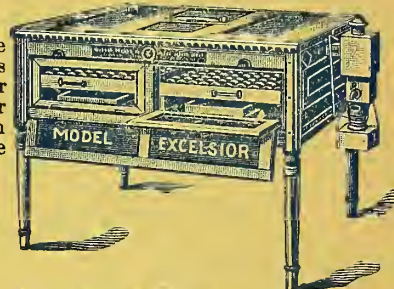
There is money in the poultry business if you go into it right. It takes but a few dollars to start. If you don't want a 200 or 300 egg machine we can furnish you a 50 or 100 egg machine, and when you buy the Excelsior you take no chances.

THE MODEL EXCELSIOR INCUBATOR.

This is the hatcher for business, but lack of space prevents us from giving anything like a complete description. It is built of solid birch, packed with mineral wool; the heating is done by hot water; the regulator is simple, but cannot fail to work whether the egg chamber becomes too hot or too cold. The Excelsior is sold on its merits. The new Simplex Incubator and Brooder, 200 egg size, is the latest combination, and is a complete chicken factory. In deciding which make to buy, do not fail to send for large illustrated catalogue giving minute description and prices of all sizes from one hundred to one thousand egg size.

LIST PRICE OF EXCELSIOR INCUBATORS.

100 egg.....	\$20.00	300 egg.....	\$36.00
200 egg.....	30.00	400 egg.....	44.00
500 egg.....			\$50.00



No. 1 Model Excelsior, 100-Eggs.

SOMETHING NEW AND NOVEL FOR THE BOYS.

Instructive, Amusing and Profitable.



THE WOODEN HEN.

The inventor of the WOODEN HEN has aimed to produce a machine combining the largest hatching capacity with absolute certainty of successful results; the greatest simplicity of construction, requiring the smallest amount of personal attention and costing less than any other first class machine yet made. That he has succeeded in his effort he is able to prove by unimpeachable and unsolicited testimony from those who have used his incubator.

Price List of the Wooden Hen, including Thermometer. Moisture pan and everything complete, ready for immediate use.

50 egg capacity, only.....	\$ 7.00
100-egg capacity, only.....	12.00
"Auntie," the Nurse, including lamp, burner, chimney, wick and everything complete.	
50-chick capacity.....	\$4.00
100-chick capacity.....	6.00

NOTE.—We carry in stock but two sizes of the Wooden Hen and Nursery.



HOMER CITY AND EXCELSIOR INCUBATORS.

The Homer City Incubators, as recently improved, are without doubt the leaders of all hot air machines.

The new X Base Regulator controls the temperature both above and below the eggs, thus guarding against a change of temperature in any part of the egg chamber.

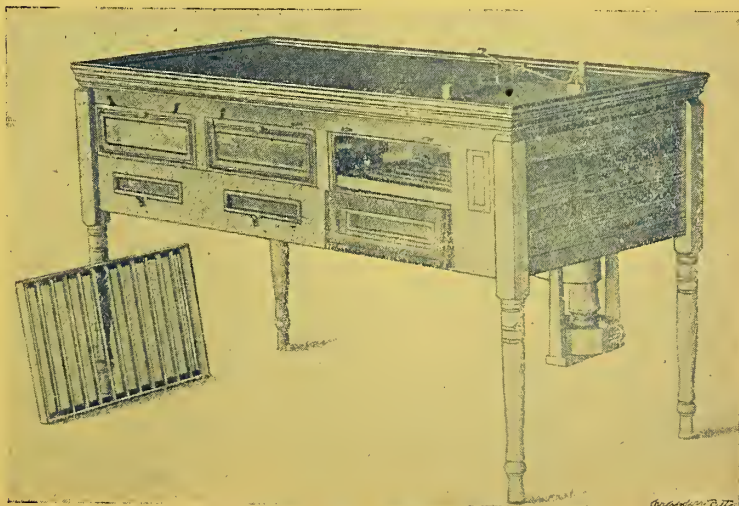
The ventilation is so arranged as to prevent draughts of air, and the openings to the ventilating shaft being in the bottom of egg chamber renders it impossible for injurious gases to collect, thus insuring pure air at all times during incubation.

The incubators are provided with adjustable tray slides, and the extra doors at the bottom and smooth floor make the cleaning out of the machine an easy matter.

All machines are packed with asbestos to guard against fire and prevent climatic changes affecting the inside temperature.

PRICE LIST.--Incubators.

100 egg capacity.....	\$20.00
200-egg capacity.....	30.00
300-egg capacity.....	40.00
400-egg capacity.....	50.00



Incubator, 300-Egg Capacity.

OUR ASSORTMENT OF FARMING TOOLS

Is The Largest of Any House In New England.

It is unnecessary for us to give lengthy descriptions or standard makes of tools, the illustrations speak for themselves. Our prices have been revised and in many cases reduced, and every tool we sell is guaranteed to give satisfaction.

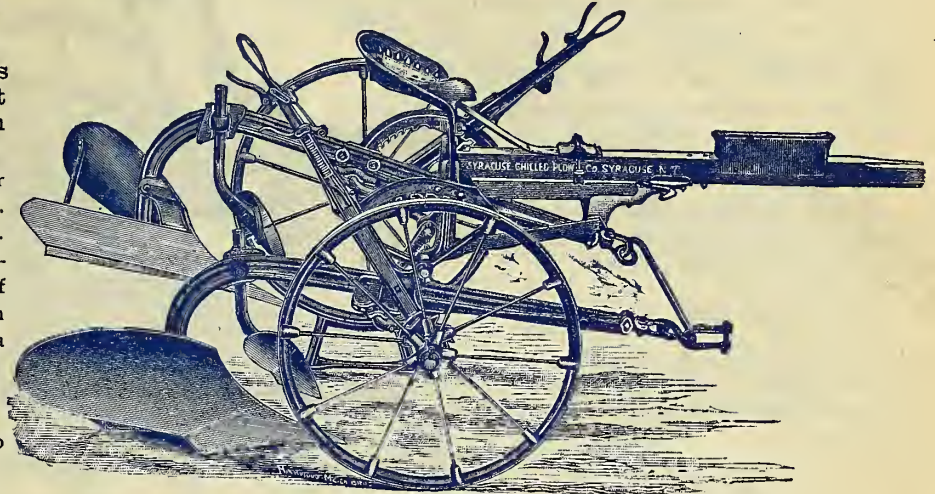
SYRACUSE REVERSIBLE SULKY PLOW.

Steel Mouldboards and Strips Chilled Points. An Extra Set of Points Goes with Each Plow.

Does perfect work on hillside or level land; no ridges or dead furrows. Light and strong, simple and practical. Power lift for raising plows. An adjustable pole regulates the width of furrow, also avoids all side strain on the team. Lighter in draft than a hand plow doing the same work.

List Price.....\$55.00

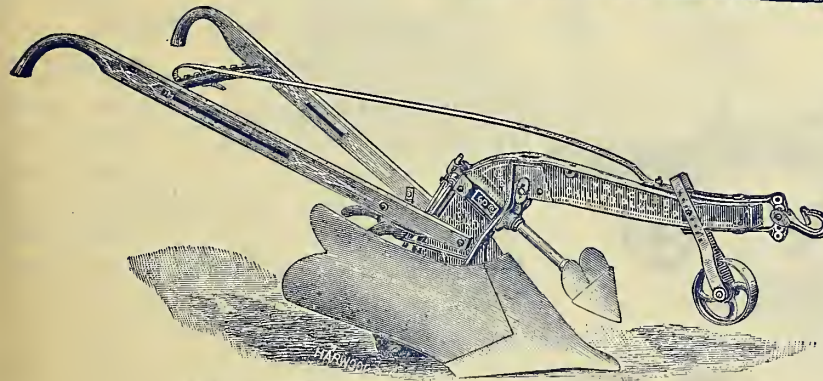
\$15.00 discount for cash, or \$12.00 discount if charged.



SYRACUSE WOOD AND STEEL BEAM PLOWS.

The Syracuse Hand Plows are in no way inferior to their Sulky Plows, and for an iron beam the No. 60 is unequaled.

For a wood beam we recommend the A and B shown at the bottom of the page.



The New No. 60 Plow.

PRICES.

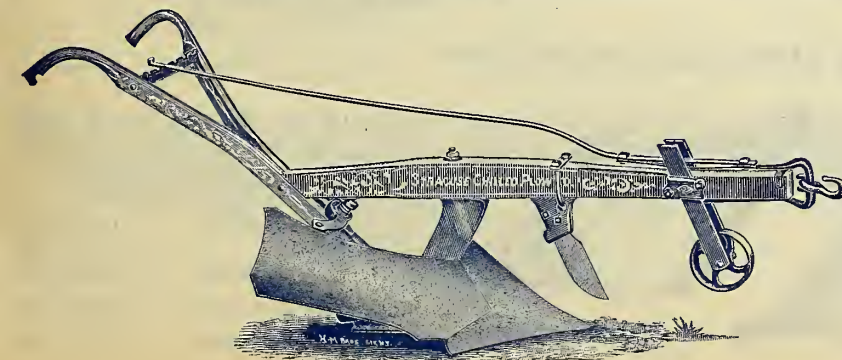
	List Price.	Discount for Cash.
No. 14. Two-horse, 5 to 7 in. deep, steel beam and wheel.....	\$10.50	\$1.00
No. 60. Two-horse, 4 to 7 in. deep, iron beam, wheel and jointer, cast mouldboard.....	14 00	1.00
No. 60. Two-horse, 4 to 7 in. deep, steel beam, wheel and steel mouldboard.....	15.00	1.50
No. 69. Two-horse, 5 to 7 in. deep, wood beam, wheel and jointer and cutter.....	14.00	2.00

SYRACUSE LAND SIDE PLOWS.

PRICES.

	List Price.	Discount for Cash.
No. 31. Steel mouldboard, wheel and jointer or cutter, light two-horse.....	\$15.00	\$1.50
No. 32. Steel mouldboard, wheel and jointer or cutter, medium two-horse.....	15.00	1.50
No. 52. Wood beam, one-horse.....	6.00	.50
No. 53. Light two-horse or one-horse, wood beam.....	8.00	1.00

The New A, B and C Swivel Plow with Patent Foot Latch.



This is our leading and best selling plow. All parts of this plow interchange with the 76 made at Castleton, Vt., but the material and workmanship is far superior. Our prices you will see are lower than ever before, and we guarantee every plow and every part.

No. 76 A. Two-horse, hard metal mouldboard, wheel and cutter; list price, \$15.00; discount for cash, \$4.00.

No. 76 B. Two-horse, hard metal mouldboard, wheel and cutter; list price, \$14.00; discount for cash, \$4.00.

Either of the above furnished with steel mouldboard at \$1.00 net extra.

No. 76 C. One-horse hardmetal with wheel; list price, \$9.50; discount for cash, \$1.50 Without wheel, 50c. less.

NATIONAL REVERSIBLE SULKY PLOW.

Works equally well on side hill or level land, and in all kinds of soil, doing better work than can be done with walking plows. Easily managed. With it a boy can do a man's work.

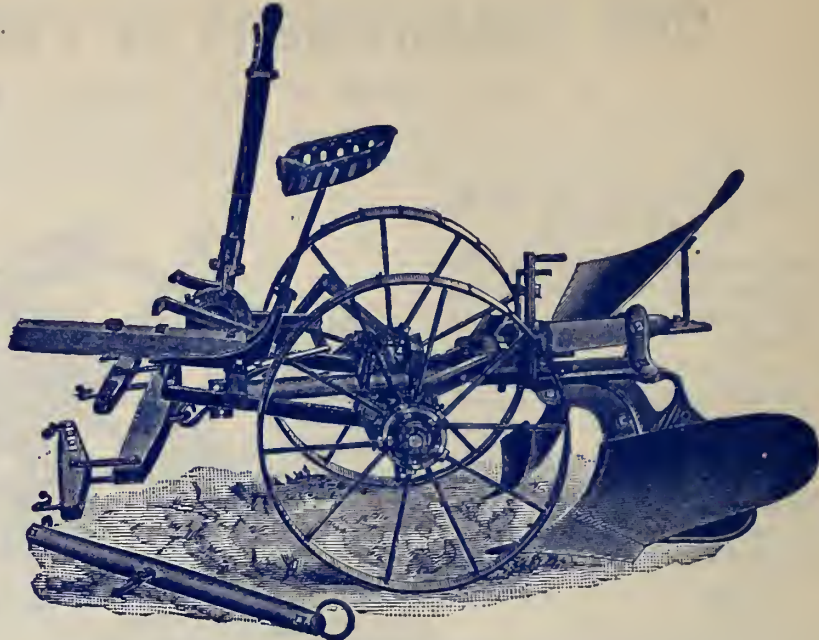
List price, \$55.00; discount for cash \$15.00, or \$12.00 discount if charged.

THE YANKEE SWIVEL PLOW.

New series, with Patent Spring Foot Latch, Automatic Jointer and Straight steel Coulters.

PRICES.	List Price.	Dis. for Cash.
No. 00 H with Foot Latch Wheel	\$ 9.25	\$0.75
No. 0 H with Foot Latch Wheel	9.50	1.00
No. 1 H with Foot Latch, Wheel and Coulter.....	13.50	1.50
No. 2 H with Foot Latch, Wheel and Coulter.....	15.00	2.00
No. 3 H with Foot Latch, Wheel and Coulter.....	18.00	2.00

We furnish extra point with all plows at price quoted.



National Sulky Plow.

DOE CAST IRON PLOW.

PRICES.	List Price.	Dis. for Cash.
No. E 0. Wood beam.....	\$ 5.00	\$1.00
No. E 1.....	6.00	1.25
No. E 2.....	7.00	1.50
No. E 3. with wheel.....	9.25	1.50
No. E 4. " "	11.25	2.00

We furnish extra point with all plows at price quoted.



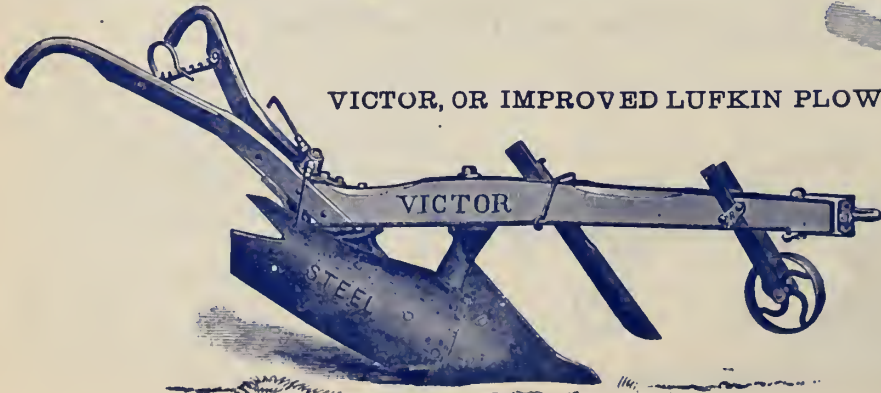
No. 3 H with Wheel and Cutter.

BISSELL'S OLIVER PATTERN PLOW.

All parts of this plow are warranted to interchange with the Oliver; same style of plow, with a better Chilled Mouldboard. Agents wanted in all unoccupied territory.

PRICES.	List Price.	Dis. for Cash.
No. A, light one-horse.....	\$4.50	\$.50
No. B, medium "	6.00	1.00
No. 10, large "	7.00	1.00
No. 19, small "	8.50	1.00

The above prices are without wheel; if wheel is wanted add \$1.00 net to above prices.



VICTOR, OR IMPROVED LUFKIN PLOW.

WITH PATENT SHIFTING CLEVIS.

One of the best flat furrow plows made. Mouldboard made of steel and best material used throughout.

PRICES.	List Price.	Dis. for Cash.
No. 1, Steel, one-horse.....	\$12.00	\$1.00
No. 2, Steel, two-horse.....	14.50	1.50
No. 3, Steel, two-horse.....	15.50	1.50

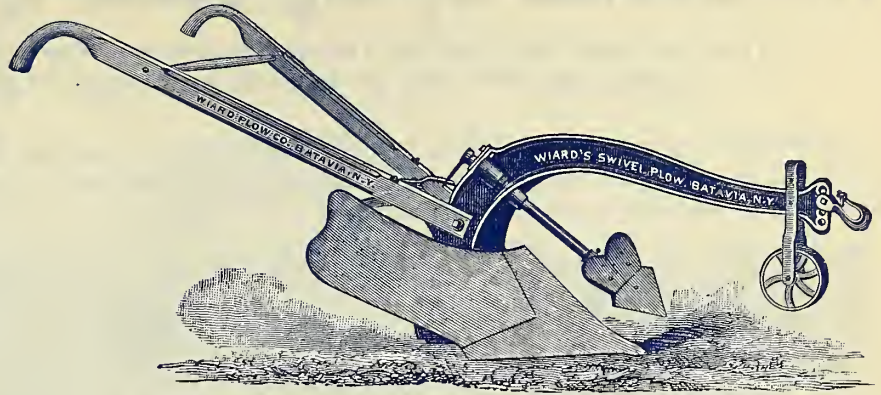
Wiard Swivel Plows—For One and Two Horses.

We have this make of plows in stock and are in position to furnish old Agents at Factory Prices.

No. 115. Iron beam, light, two-horse shifting clevis wheel and cutter, list price, \$14.00, discount for cash, \$1.00.

No. 140. Wood beam, light, two-horse, shifting clevis wheel and jointer, list price, \$12.50, discount for cash, \$1.50.

No. 21. Wood beam, one-horse, wheel and clevis, list price, \$8.50, discount for cash, 50c.

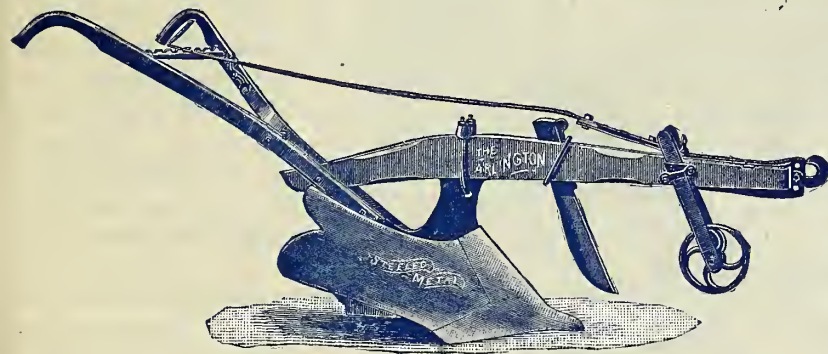


Arlington Swivel Plow.

Perfect in Construction.—Attractive in Finish.—Excellent for all Kinds of Work on Flat Land or Side Hill.

PRICES.

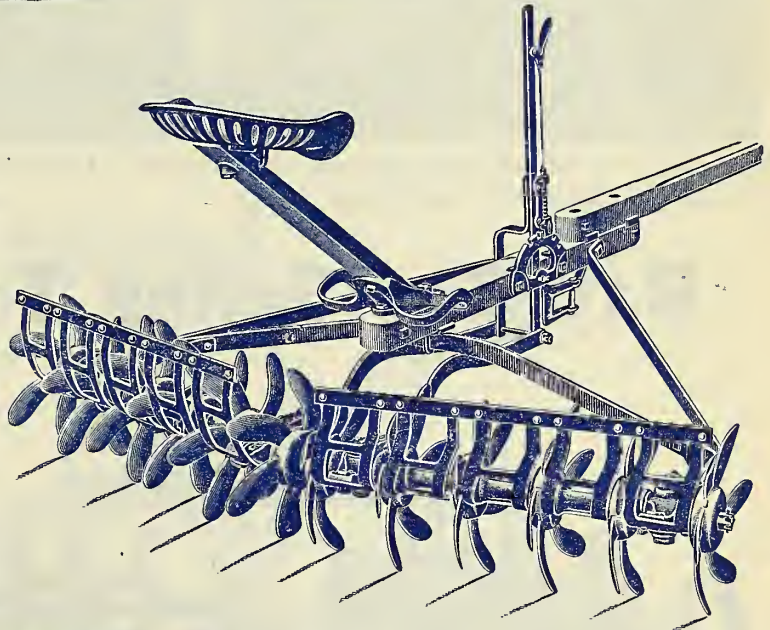
	List Price.	Dis. for Cash.
No. 30. Steeled metal wheel, and cutter.....	\$15.00	\$2.00
No. 29. Steeled metal wheel, and cutter.....	14.00	2.00
No. 27. One horse, steeled metal, wheel.....	9.00	1.00



Morgan Spading Harrow.

The name "Spading" refers to its action on the soil. The action of each cutter is like that of a small spade, lifting and turning the soil from a depth of four to six inches. The blades, or spades, are made from spring steel; in operation vibrating and shaking off sticky soil. The gangs are so arranged that they freely float, enabling the most uneven ground to be thoroughly harrowed and left level. Complete with evener, whiffletrees, neckyoke and scrapers.

List Price, with Scrapers.....	\$24.00
Discount for Cash.....	4.00
Whiffletrees, Evener and Yoke.....	2.15
Discount for Cash.....	.65

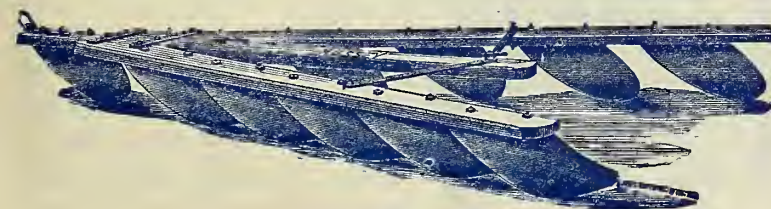


Share's Steel Tooth Harrow.

The best cheap Harrow on the market. Teeth are made of Sheet Steel and warranted. Four sizes, as follows:

PRICES.

	List Price.	Dis. for Cash.
Share's Patent A Harrow, 7 teeth,	\$ 7.00	\$0.50
" " " " 9 teeth,	8.00	0.50
" " " " 11 teeth,	9.00	0.50
" " " " 13 teeth,	10.00	0.50



The Yankee Spring Tooth Riding Harrow.

The first and only Spring Tooth Harrow on Wheels upon which a man can ride with the same ease and comfort as in a buggy.

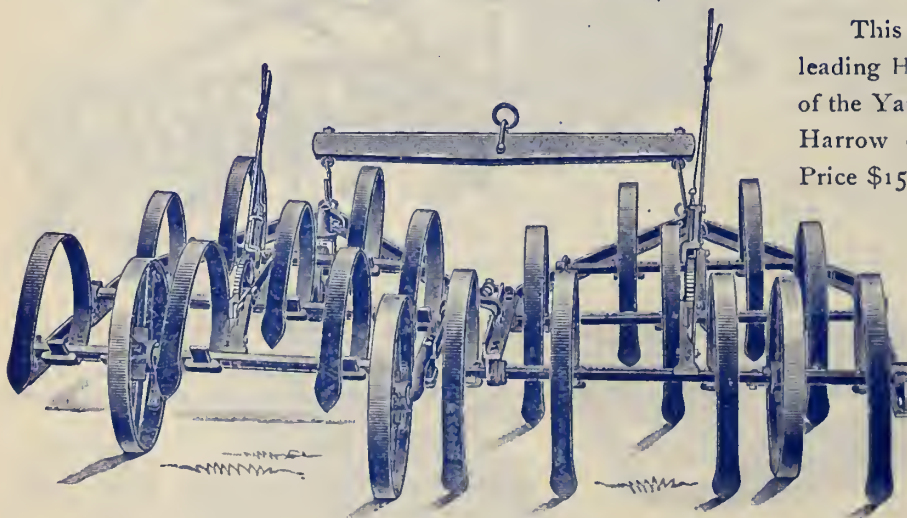
After one years' trial of this Harrow in every state in New England and on all kinds of land, we are fully convinced that it is the best and only practical Riding Spring Tooth Harrow made, and equal to any riding harrow on the market sold for forty-five dollars; and it is not to be compared with ordinary spring harrows which retail



from fifteen to eighteen dollars. The wheel attachment is entirely different from any other harrow, and it is so attached that the driver does not get any of the motion or jar of the harrow—it rides like a buggy. We have had it in mellow ground, with seven men riding, and drawn by a light pair of horses. It is next to impossible to clog it, as the frame runs about a foot from the ground. The front end is supported by either shoes or castor wheels. Shoes are preferable, especially in hilly or rolling ground, but on level ground wheels are best. Please notice the size wheel we use, "20-INCH." Where nothing

is said, we use our own judgment which to send. Large descriptive circulars mailed on application. List Price \$20.00, discount for cash, \$2.00.

Bay City Spring Tooth Harrow.



This harrow is manufactured for us by a leading Harrow Co., and with the exception of the Yankee is equal to any Spring Tooth Harrow on the market with wheels. List Price \$15.00, discount for cash, \$2.00.

The Original Perry Spring Harrow.

This is the first Spring Tooth Harrow ever offered for sale, and it has many friends today; for durability, it is equal to any harrow made. The wood frame is lined with carbon-steel, bolt heads protected,

teeth cannot get loose. List Price \$11.00, discount for cash, \$1.00.

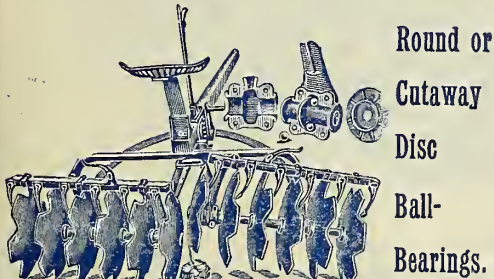
The Victor Over-Lap Disc Harrow.

With Ball-Bearings.

After two year's trial of this Harrow, on all kinds of soil in every State in New England, we offer it for the coming season with perfect confidence. The ball-bearings are a wonderful improvement on any farm tool, and with this addition we have a harrow which stands alone with no competition whatever. It overcomes all the former difficulties of a Disc Harrow, which have always left untouched a center ridge which cannot be pulverized without lapping the harrow more than one-half. This has always been a serious objection and has puzzled nearly all the manufacturers until now. We want agents who have time to attend to it for all unoccupied territory.

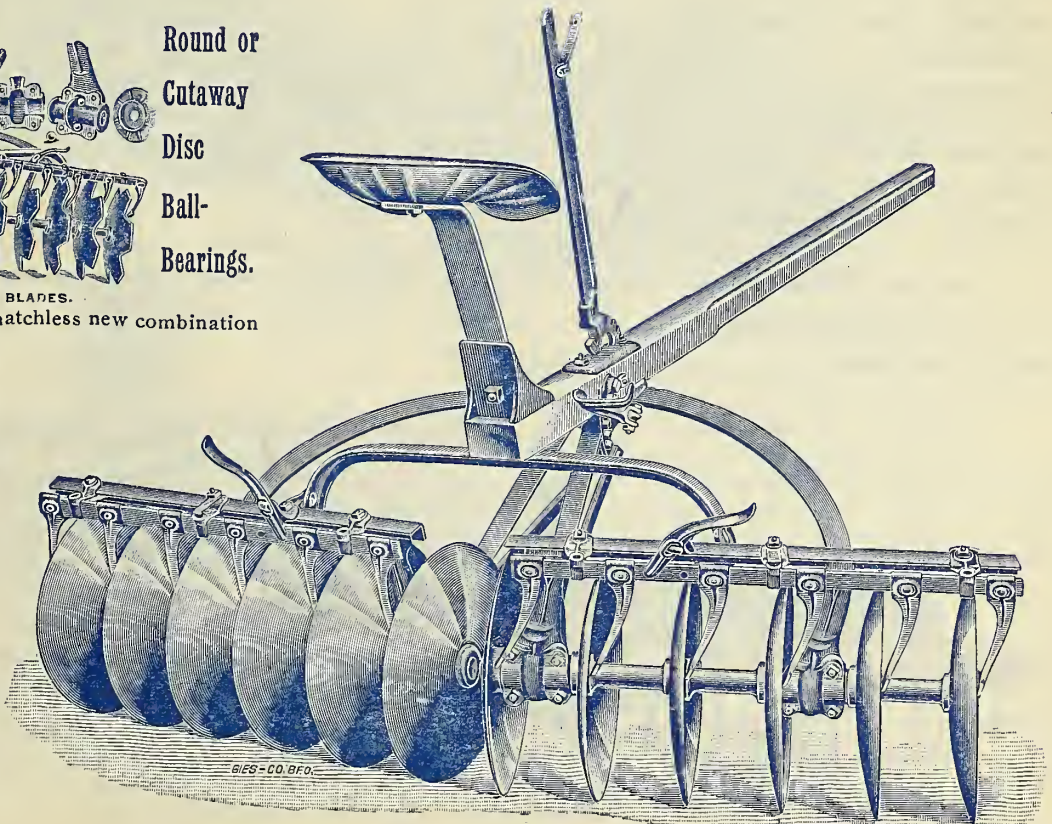
List Price.....\$35.00
Discount for Cash..... 12.00

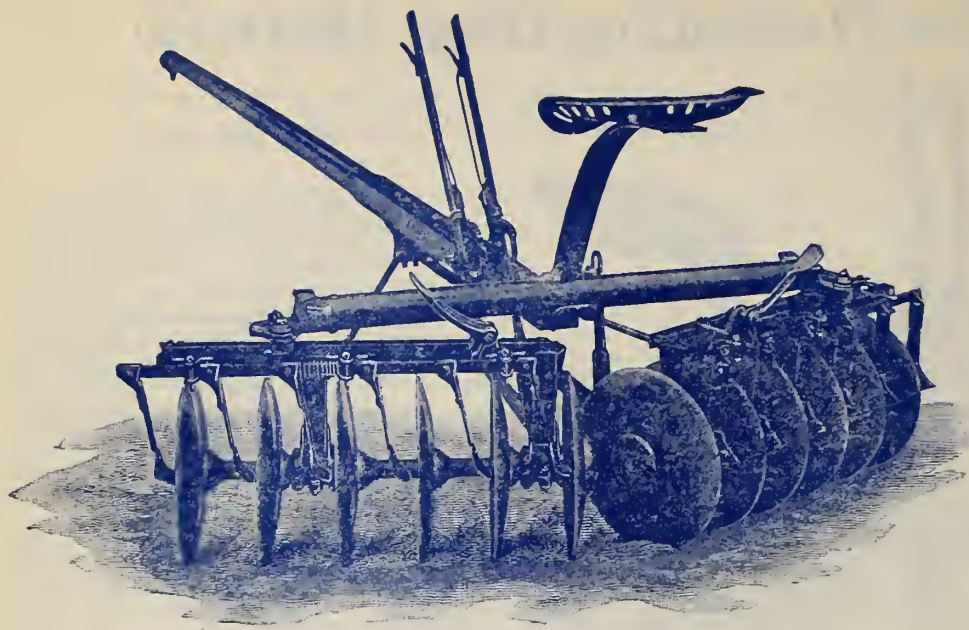
All Steel Flexible Disc Harrow.



WITH SPADE CUTTING BLADES.

This is provided with matchless new combination cone boxes and single large ball-bearings. The only Disc Harrow in the world having independent adjustable spring pressure upon the inner end of each gang of discs, allowing any amount of pressure to be thrown upon the inner ends of the gangs by the foot of the operator. This is the simplest and easiest harrow to operate on the market. By removing two bolts it can be taken apart and handled easily by one man. List price for either style of Disc, \$23.00. Discount for cash, \$3.00.





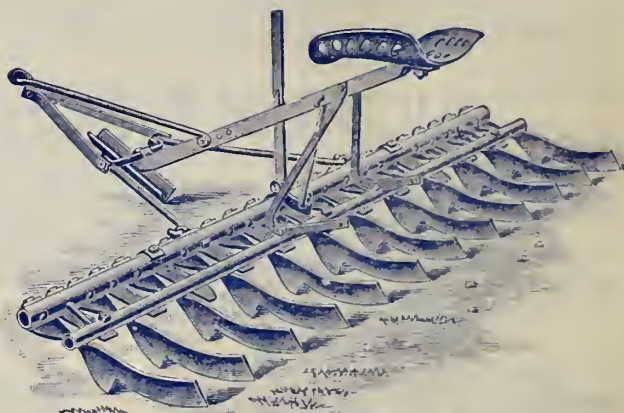
The Acme Harrow and Clod Crusher.

As its name implies, a general purpose harrow that will do the whole business, viz.: it will crush, cut, lift, turn, smooth and level, all in one operation.

While pre-eminently adapted for heavy, stubborn land, it can be adjusted by means of levers and runners to do perfect work on the lightest soil. The peculiar shape and arrangement of the Coulters insure the cutting over of the entire surface of the ground, and owing to the absence of spike, spring, or pointed teeth, there is little, if any, tendency to disturb sod or trash that has been turned under by the plow. It not only prepares a perfect seed bed, but will also cover seed in the best manner.

RETAIL PRICES.

No 17. Two-horse Riding Harrow.....	\$15.00
No 18. Four-horse Riding Harrow.....	30.00
Size "G." One-horse.....	8.00



No. 20. Two-horse Walking Harrow.....	\$10.00
Size "H." One-horse.....	13.00



The Big 5-Spike Tooth Smoothing and Leveling Harrow.

We have tried a large number of Steel Smoothing Harrows, and nearly all are defective in some part. This Harrow we have tested and sold in large numbers, and can guarantee it in every respect.

	PRICES.	List Price.	Dis. for Cash.
60-Tooth.....	\$14 00		\$3.00
50-Tooth.....	13.00		3.00

THE RELIABLE Two-Lever DISC HARROW.

THIS HARROW IS EVERYTHING THAT THE NAME IMPLIES, RELIABLE IN EVERY SPOT AND PLACE. FURNISHED WITH TWO LEVERS FOR ANGLING THE DISCS TO PREVENT IT FROM WORKING DOWN HILL; NO WOOD USED IN ITS CONSTRUCTION. THE HARROW WILL DO AS MUCH WORK AND LAST AS MANY YEARS AS ANY HARROW MADE. SOLD COMPLETE.

Price \$20.00, discount for cash, \$1.00.

Syracuse One-Horse Spring Harrow.

There is no harrow for a small farm that will do the work with as little expense and labor as this harrow.

The teeth are oil tempered and everything is made of best material.

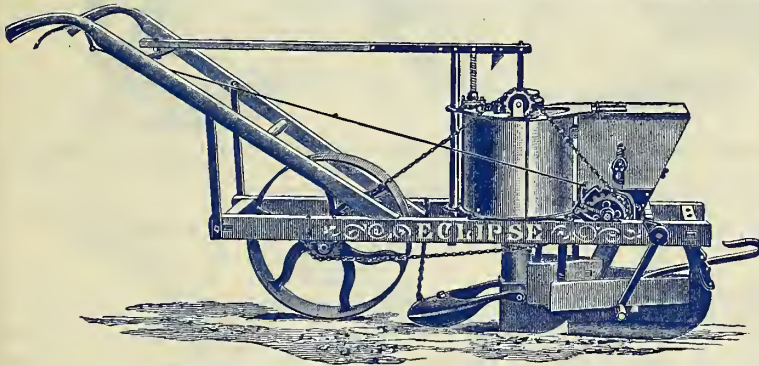
Teeth can be adjusted for any kind of work.

List price, \$10.00, discount for cash, 1.00



RELIABLE SEED DISTRIBUTORS.

One of the most important features of farm work is the planting and sowing of the seed, and no one can afford to take any chances with cheap seeders. Our list contains only those than have been tested and found reliable.



ECLIPSE CORN PLANTER and FERTILIZER DISTRIBUTOR COMBINED

For planting Field or Ensilage Corn, Beans, Peas or Beet Seed, in hills, drills or checks. Specially designed for accurately distributing commercial fertilizers, ashes, etc., full strength, wet or dry. The only machine on the market that will give perfect satisfaction in all cases.

List Price.....\$25.00

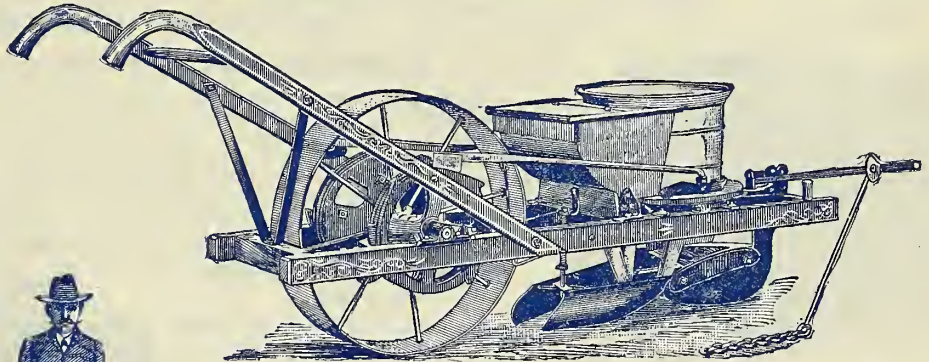
Discount for Cash..... 5.00

KING OF THE CORNFIELD CORN PLANTER.

For planting Field, Ensilage and Fodder corn, Beans and Peas, and other seeds of large size. Can also be arranged for dropping Beet seed. Simple in construction, and easy to operate.

List Price.....\$25.00

Discount for cash..... 5.00



THOMPSON'S SEEDER.

For Broadcasting Grass Seed—For Sowing Red Top, Clover, Timothy and all Mixed Seeds. Light, Strong and Simple.

Sows uniformly the whole length of the hopper, twelve feet. Its simplicity of construction and its accuracy of work in the field places it at the head of all seeders. It has no cam or cog gearing to get out of order. It has a positive motion, and works as freely and easily when sowing as when empty. Seeding is

generally done at the time of the year when winds prevail; it is then that the seeders can be used with marked success.

No. 4. Grain Seeder Box, 10 feet, for sowing all kinds of grain. This box fits on to No. 5 Seeder, and with both boxes all kinds of grain and grass seeds can be sown.

List Price.....\$5.00

Discount for cash.....\$1.00

SEEDER NO. 5

Sows all varieties of Clover, Timothy, Hungarian, Millet, Alfalfa, chaffy seeds like Red Top, Orchard Grass and clean Blue Grass. This style machine is made expressly for New England trade.

List Price.....\$10.00

Discount for Cash.....\$1.50

No. 5 Seeder and No. 4 Grain Box.

List Price.....\$15.00

Discount for Cash.....\$3.00

IMPROVED ROBBINS POTATO PLANTER.

(With or without fertilizer attachment.)

It is needless to speak of the slow, laborious method of potato planting as practiced by a large majority of growers; of the consequent improvident waste of time just at the opening of the busy season, and the interference caused by the uncertain weather of early spring. It is also too well known to need even a passing mention, as it is certainly impressed on the minds of thinking farmers, that a speedier and more economical method is needed. When the proper season arrives—when the weather is just right and the time just fits in with other business—the potato grower should be prepared to do his planting promptly and with as little delay as possible. With the Improved Robbins, however, the farmer has the comfortable assurance of attaining both, easily planting with it from four to seven acres per day; and such perfection of potato-planting was never before accomplished. It is simply ideal. It will distribute fertilizer evenly from 100 lbs. to one ton per acre, and drops potatoes 14, 15 1-2, 17, 18 1-2 and 20 inches apart. It is true that it takes a man and a boy to run it, but it will do the work of five men and three boys.

Copy of Letter from Amherst Agricultural College.

I take pleasure in saying that we have used the Improved Robbins Potato Planter for the last two years with great satisfaction. It puts the potatoes in so that there are few or no skips, and spreads the fertilizer in a highly satisfactory manner. We should not like to be without it in cultivating potatoes upon a large scale.

(Signed) WM. P. BROOKS,

Professor of Agriculture.

Dated, Amherst, Mass., Dec. 10, 1897.

Send for Circular Describing it Fully.

PRICE.

With Fertilizer and Leveler Attachment.....	\$65.00
Without Fertilizer Attachment.....	55.00
Pea and Corn Attachment.....	5.00
Discount for Cash on Complete Machine.....	5.00



FARMERS' FRIEND BROADCAST SOWER.

Sows all grain, grass seeds, salt, ashes, commercial fertilizer—everything requiring broadcasting—any quantity per acre, better and faster than any other method. Saves seed by sowing perfectly even. Not affected by wind as seed is not thrown upwards. Sows half or full cast, on either side of the wagon. Readily attached to any wagon or cart without injury, and used wherever they can be driven. Lasts a lifetime. Sows eighty acres of wheat per day. Endorsed and recommended by agricultural colleges and best farmers in the United States. Fully warranted. Perfectly simple. List Price.....\$20.00 Discount for Cash.....\$10.00

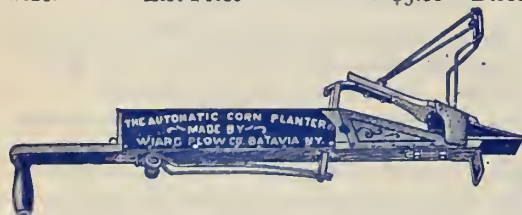
CAHOON HAND SEED SOWER.

For sowing Wheat, Oats, Hemp, Barley, Rye, Buckwheat, Grass Seed, Rice, Flax, etc. The hand machine sows from four to six acres per hour, at a common walking gate, throwing out the wheat forty feet wide.

List Price.....\$5.00 Discount for Cash.....\$1.00

AUTOMATIC HAND CORN PLANTER.

This tool is manipulated by one hand, and is used as a person would handle a walking stick. It will plant as fast as a man can walk. It is well-made and perfectly simple in construction.



List Price....\$3.00 Discount for Cash...\$1.00

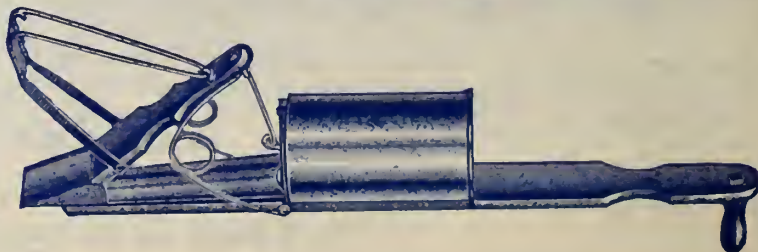
THE GORDON AUTOMATIC CORN PLANTER.

Prevents Skips and Broken Corn. It is Bound to Drop Every Time.

It hangs the same right handed or left—beginning or end of row. The operator carries no useless weight. It is neat, light and durable, and attractively finished.

A Corn Crop is planted right when you use the GORDON.

Price.....1.50



PLANET, JR. TOOLS.

HORSE AND HAND.

THIS is the most complete up to date line of tools on the market. Prices are down with the ordinary makes, but the material and workmanship is far ahead of any other similar line. We offer them not only as the best, but as the cheapest. We illustrate only the leaders, but shall be pleased to mail Catalogue showing full line. **Send for it.**

No. 8.

The accompanying cut shows the new No. 8 Hoe and cultivator with expanding and wheel lever. The only difference between this and the No. 6, is the runner or shoe, which is controlled by the wheel lever, and regulates the depth of the back as well as the front end of the hoe. It is an advantage especially on soft or sandy soil.

PRICES.

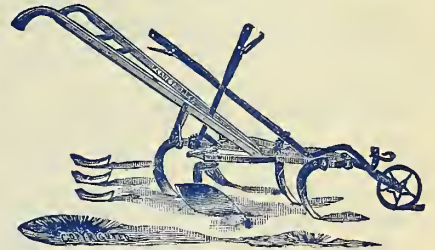
List Price.....\$8.00 Discount for Cash.....\$0.50

No. 6.

This style is more largely used than any other, and has given excellent satisfaction everywhere. It has the high frame, patent hollow steel standards, expanding and wheel levers.

PRICES.

List Price.....\$7.25
Discount for Cash......50



No. 6.

This style is identical with No. 6, except that it has a bolted wheel instead of one operated by lever. Nearly all attachments used on Nos. 5 and 6 can be used.

PRICES.

List Price.....\$6.75

Discount for Cash..... 0.50

THE PLANET, Jr. 12-TOOTH CULTIVATOR AND PULVERIZER.

This tool has grown in favor the past few years owing to its neatness and perfect work. It is used on all crops where level cultivation is desired, and more especially on strawberries and small fruits.

PRICES.

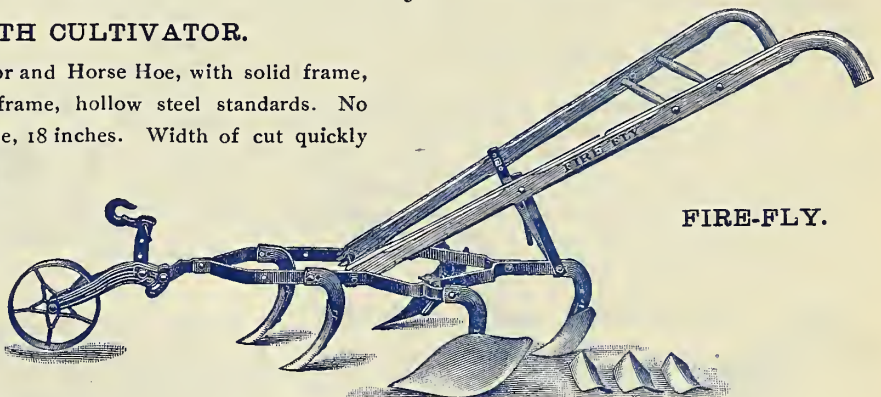
Complete as shown in cut.....	\$8.00	Dis for Cash.....	\$0.50
Complete, less pulverizer.....	6.65		0.50
No. 4 Plane Cultivator, with five steel teeth and wheel (not shown).....	4.50		0.50
Irish Potato Digger (not shown).....	16.00		0.50



12 TOOTH CULTIVATOR.

THE FIREFLY 5-TOOTH CULTIVATOR.

This is a new model Five-Tooth Cultivator and Horse Hoe, with solid frame, stiff handles, adjustable in height, open frame, hollow steel standards. No expanders or hinge. Outside width of frame, 18 inches. Width of cut quickly changed from 25 to 12 inches, by loosening two set-screws. No loose joints; low frame, but no clogging; work in open view; the most desirable cheap Cultivator and Horse Hoe ever invented. About half the weight of some of the heavy ones. Easy for horse and man.



FIRE-FLY.

PRICES.

List Price, as shown.....\$5.75 Less Horse Hoe Attachment....\$4.25
Discount for Cash.....\$1.00

This Horse Hoe is the No. 8 without depth regulator, and a slightly different lever wheel. It works the same as No. 8 in every way, except it lacks the steadiness and absolute control of depth made possible by the depth regulator.

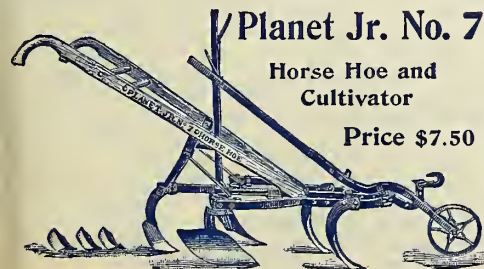
PRICES.

List Price.....\$7.50 Discount for Cash.....\$0.50

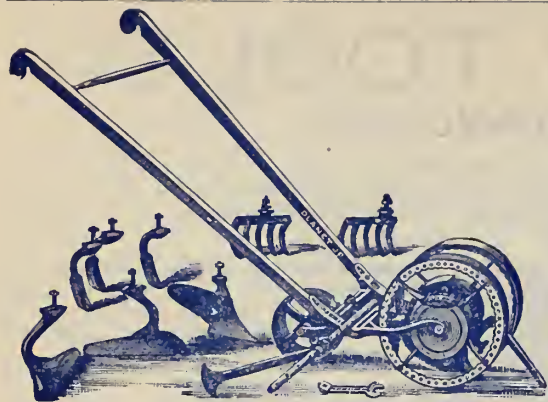
Planet Jr. No. 7

Horse Hoe and Cultivator

Price \$7.50



No. 7.



The "PLANET JR." No. 2 Seed Drill.

This tool is known the world over, and with the exception of the "Planet Jr." Hill Dropping Drills, is the most perfect drill known. It holds two and one-half quarts.

The drill sows in an even, regular stream, whether there is much or little in the hopper. The opening plow, being directly between the wheels, follows all irregularities of the ground, is adjustable, and once set, opens the furrow at a uniform depth, and the seeds are deposited in a very narrow line. The machine is extremely simple; no agitators, belts or gearing. Price, \$6.50.

The "PLANET JR." No. 4

Combined Hill Dropping Seeder and Single Wheel Hoe

Price, complete, . . \$10.00
" as a drill only, 7.00



"PLANET JR." No. 3.

A fine Hill Dropping seeder,

with hosts of friends, and for 1899 it is greatly improved in many particulars. This drill will sow in a continuous row, in the ordinary way, with the greatest regularity; but its distinctive feature is that it will drop neatly in hills, either 4, 6, 8, 12 or 24 inches apart. The wheel is 15 inches high with a broad face. It is changed in a moment from hill dropping to drill work. Sows equally well whether the hopper is full or contains only a paper of seed, and will not injure delicate seed such as radish, cabbage, etc., which are so often peeled or crushed by imperfect seeders. The plow is adjustable and opens a very narrow furrow which is a great advantage for after cultivation.

1896 was the first year that this machine was sold widely by the manufacturers of the celebrated line of "Planet Jr." goods, but it has since been bought very largely by careful gardeners and nursery men and has given entire satisfaction. Price \$9.00.

"PLANET JR." No. 15

Single Wheel Hoe,
Cultivator, Rake
and Plow.

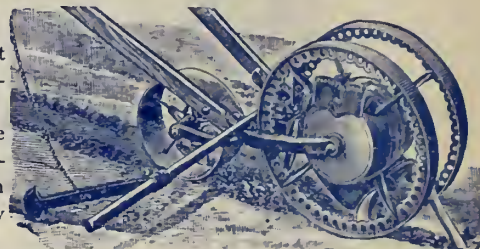
Price, \$6.00



"PLANET JR." No. 1

Combined Drill, Cultivator Rake and Plow.

This favorite machine has long been the most popular combined garden tool known, and its friends have been gained by substantial merit alone. It won the highest and only award at the Chicago Exposition, surpassing all other machines of its kind. As a seed sower it is identical in construction with the No. 2 "Planet Jr." Drill described below, except in size, and has all of its merits, its strength, durability, ease of operation and perfection of work. The seed is sown with great regularity, and an opening plow, of special design, puts it in a very straight and narrow line, and at uniform depth, regulated at pleasure. Holds one quart. This Drill is furnished with a complete set of weeding tools as shown in cut. Price \$9.00.



This is exactly the same style of seeder as the No. 5 "Planet Jr." Hill Dropper. It is smaller in capacity, though still of good size, holding two quarts. It drops in hills at 4, 6, 8, 12 and 24 inches apart, and in drills any thickness, handling the smallest paper of seed perfectly, and is simple, durable and very light running. Throws out of gear instantly by simply raising the handles. The index is accurate, plain and easily set. The Drill is detached and the tool frame substituted by moving but one bolt. It then becomes one of the most admirable Single Wheel Hoes of the "Planet Jr." family. It has a fine garden plow, two new-style hoes, perfected shape, three delightful cultivating rakes, new form and made especially to fit 6, 9, 12, 14 and 16 inch rows, three cultivator teeth and a practical leaf guard.

Price, complete \$10.00. As a drill only, \$7.00.

"PLANET JR." No. 3

Hill Dropping
Seed Drill

PRICE \$9.00



This latest and best Single Wheel Hoe, improved for 1899, has an 11-inch wheel, with broad face, and a conveniently arranged and a very full set of tools, several of them being of new special design, such as have been found to perform Wheel Hoe work in the very best manner. It is very light and strong and easy running; has three more tools than the old Planet Jr., and does a much greater variety of work and does it better. Has adjustable handles, and frame especially adapted for quick changing of teeth. It is a most perfect Wheel Hoe for market gardeners or for private places. The tools are a well-shaped plow for plowing marking out, covering and late cultivation, a pair of neat 4-inch shield hoes, just right for hoeing in rows from 9 to 12 inches; and a large pair for wider work, and three cultivator teeth. Also a set of three rakes just right for 6, 9, 12 and up to 16-inch rows, with two arranged side by side, the rakes are just the thing for preparing ground for the Seed Drill. A practical leaf guard completes the equipment.

The frame changes in height, and the wheel to the other side of the frame when both sides of the row can be hoed at one passage.

"PLANET JR." No. 16Single Wheel Hoe,
Cultivator, Rake
and Plow.

Price, \$5.00



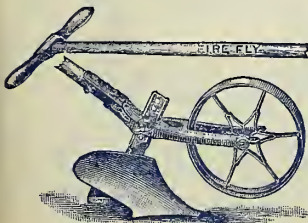
This Wheel Hoe is identical with No. 15, except that it has fewer tools, but the price is proportionately lower, and the remaining tools may all be ADDED AS WANTED. The equipment is a most useful one and will be found just right for a great variety of work. The frame changes in height, and the wheel TO THE OTHER SIDE OF THE FRAME, to hoe both sides of the row at once.

"PLANET JR." No. 11Double Wheel Hoe,
Cultivator, Rake
and Plow.

Price, \$8.00.



This tool, first offered for '98, COMBINES IN ITSELF THE GOOD POINTS OF ITS PREDECESSORS WITH VALUABLE NEW IDEAS. It has 11-in. wheels, which can be set at FOUR DIFFERENT DISTANCES apart; the frame is malleable, with ample room for tool adjustment, and can be set at THREE DIFFERENT HEIGHTS. The handles are adjustable, and being attached to the arch, are ENTIRELY UNDISTURBED in making changes of the height of frame, width of wheels, or in the adjustment of the tools themselves. The arch is of STIFF STEEL, UNUSUALLY HIGH. The design of the frame is novel, allowing all changes of tools to be made WITHOUT REMOVAL OF THE NUTS from the standards. A pair of model rakes and a pair of new style hoes are added to the usual equipment—SEVEN PAIRS OF TOOLS IN ALL. The whole set shown in the cut goes with the complete tool. All the blades are of tempered and polished steel. The variety of work possible with this machine is incredible, covering the whole range of wheel hoe work, both in the garden and on the farm, and has our unqualified endorsement.

**The "Fire-Fly" Plow**

This tool is invaluable for those who have small gardens. The mold-board is tempered and polished steel. The depth may be changed very quickly. The low price brings it within the reach of all. Very useful to plow up the chicken yards. Price, \$2.00.

"PLANET JR." No. 17Single Wheel Hoe,
Cultivator
and Plow.

Price, \$4.00



This also has the same frame, handles, etc., as No. 15, but is supplied only with a pair of 6 inch hoes, a set of cultivator teeth and a plow, a SUFFICIENT OUTFIT FOR MOST GARDENING WORK. The others can be added at any time.

The frame changes IN HEIGHT, and the wheel to the OTHER SIDE OF THE ARM, then working both sides of the row at once.

"PLANET JR." No. 12Double Wheel Hoe,
Cultivator
and Plow.

Price, \$6.00.



This tool is identical with No. 11, except that it has a less complete equipment, as shown in the cut, but at a correspondingly less price. The set of tools with No. 12 is what gardeners need most, and the rest can be added as wanted.

"PLANET JR." No. 13

Double Wheel Hoe,

Price, \$4.00.



This tool is the No. 11 with 6 inch hoes only, this pair of tools being most generally used at all seasons. Any or all of the No. 11 tools may be added at any time, and are sure to fit.

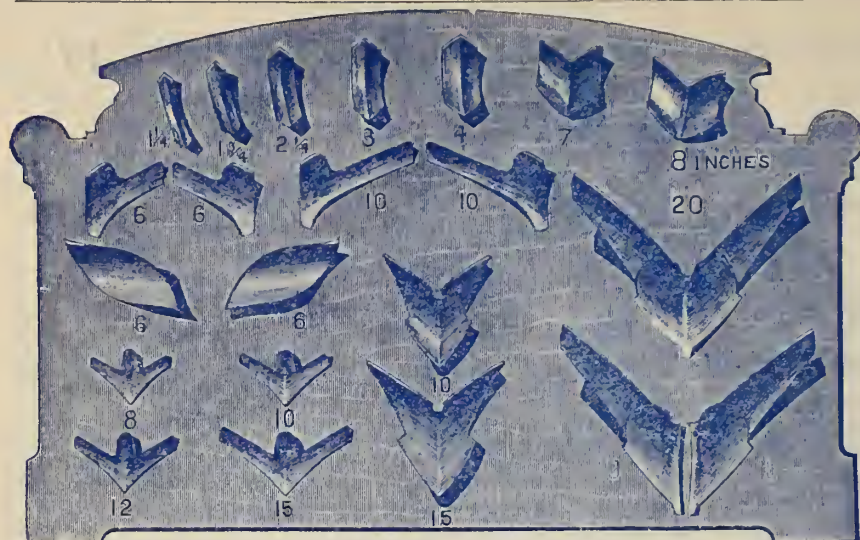
The "PLANET JR." No. 18.

Single Wheel Hoe.

(Not Shown.)

With the same frame and handles as No. 15. It has one pair of 6-inch hoes only, but they are the most constantly used through the season of all the list. The remainder you buy as wanted. The frame changes IN HEIGHT, and the wheel to the OTHER SIDE OF THE ARM, when wishing to hoe both sides of the row, AT A SINGLE PASSAGE, while plants are small.

Price, \$3.00.



Reversed Rake.....	\$0.80
Pulverizer.....	2.00
Pulverizer for Harrow, special.....	1.75
Marking Attachment.....	2.50
Nine-Tooth Horse Hoe Attachment.....	5.00

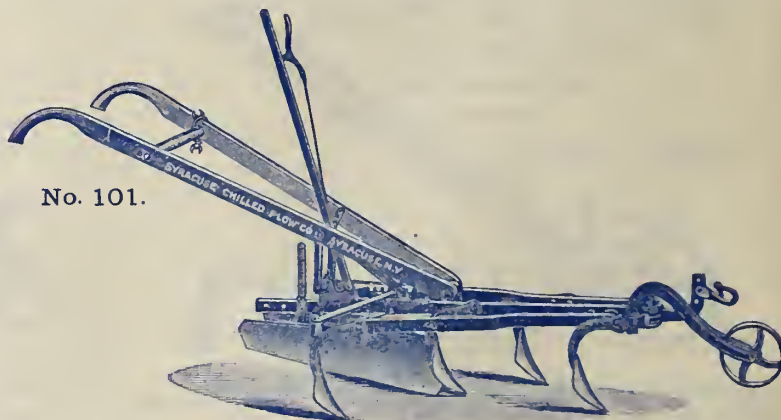
"PLANET JR." STEEL SHAPES AND EXTRAS.

1 1/4 inch Steels.....	\$0.08
1 3/4 " " .....	.09
2 1/4 " " .....	.10
3 " " .....	.11
4 " " .....	.12
7-inch Shovel Steel.....	.25
8 " " " .....	.30
Bolts .....	.01 1/2
8 inch Sweep and Bolt.....	.30
10 " " " " .....	.35
12 " " " " .....	.40
15 " " " " .....	.45
6 " Side Steels, each.....	.50
6 " Hoe " .....	.40
10 " " " .....	.50
10 " Furrower .....	.80
15 " "	1.25
20 " " with wings.....	1.75
10 " " without wings.....	.80
Wings, each.....	.50
Ridging Steels, each.....	1.10
Roller	1.50
Vine Lifter Attachment.....	1.40
Lever Running Attachment.....	1.60
Lever Wheel for No. 8 Horse Hoe.....	1.90
" " " " 6 Horse Hoe.....	1.40
Wheel for No. 5 Horse Hoe.....	.80

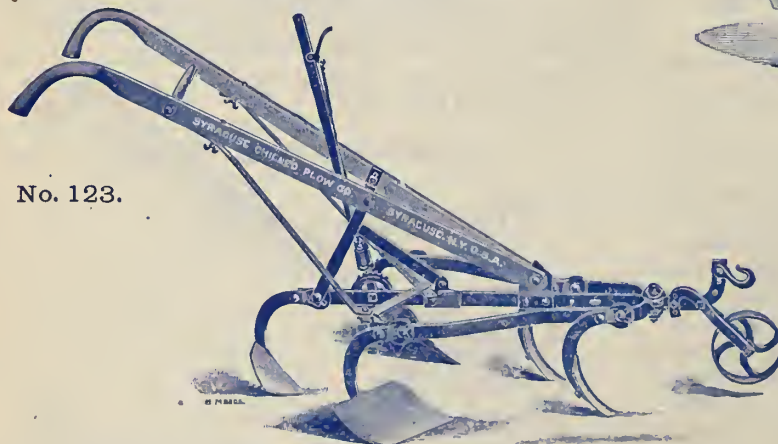
SYRACUSE STEEL FRAME CULTIVATOR No. 101.

This cultivator is simple, strong and easy to operate. Has no "Dead Centres," and no Loose Joints. Adds stiffness to the entire frame. The frame and standards of these Cultivators are very strong; made of solid steel; the side bars are so curved as to make the teeth run parallel, and also to make all standards interchangeable; square bolt-holes prevent any bother from bolts turning around, and all parts are made with accuracy and nicety of finish. It can be changed to use as a plow, cultivator, horse hoe, coverer and furrowing plow; no extra parts other than those shown in cut required.

List price, \$8.00; discount for cash, \$0.50.



No. 101.



No. 123.

SYRACUSE STEEL FRAME CULTIVATORS.

This series of Cultivators meets the demand for a Good Cultivator at a Low Price. The points and standards are of the same stock as used in No. 101, but the frame is somewhat shorter and a trifle lighter. The standards are adjustable for pitch. The handles can be raised or lowered, or shifted to the right or left.

No. 121—Expanding Lever, five 3-inch Points and Wheel. List price, \$5.00; discount for cash, \$1.00.

No. 123 (as shown in cut)—Expanding Lever, five 3-inch Points, Wing Points, Shovel Point and Wheel. List price, \$6.00; discount for cash, \$1.00.

No. 81—Five 3-inch Points and Wheel. No Lever. List price, \$4.00; discount for cash, \$0.50.

The Zephaniah Breed Weeders and Cultivator.

The accompanying cut shows the latest pattern of the Breed Weeder and the one that is sure to drive all others out of the field. It will work in any place that the old style can be used and in many where it can not. It will pay for its cost in one season and no farmer can afford to be without it. The No. 4 is a short and long weeder and cultivator in one. It has a head 2 1/2 feet long, with extensions on each end easily adjusted or removed. This style will probably best meet the wants of farmers generally. Note reduction in price.

No. 4. Combination Walking Weeder and Cultivator, head 8 feet long. List price, \$14.00; discount for cash, \$3.00.

No. 5. Walking Weeder, head 8 feet long. List price, \$13.00; discount for cash, \$3.00.

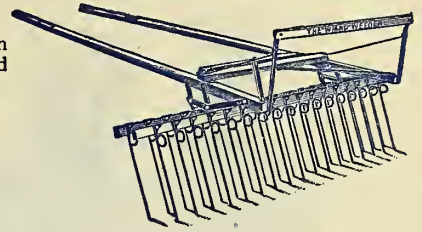
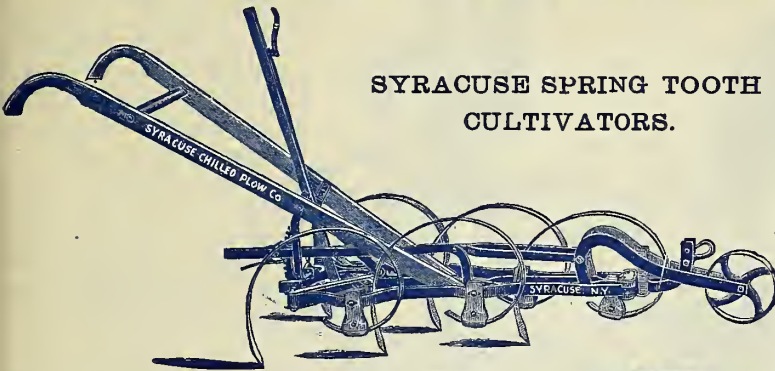


THE WIARD ADJUSTABLE WEEDER.

This Weeder is similar to other makes, but has an adjustment by which the teeth can be set straight, or sloped as desired, and is adapted to all kinds of level cultivation; and is also excellent for working in grain and grass seed.

List price, \$10.00; discount for cash, \$1.00.

We have a few Whitman Weeders that we will sell at \$7.50 net to close out.

**SYRACUSE SPRING TOOTH CULTIVATORS.**

No. 64.

This series of Cultivators are especially adapted for use in stony ground. The frames are steel, strong, and well put together throughout. The castings are malleable. The teeth are fine oil-tempered springs, and are alike and interchangeable; they are also adjustable for angle and depth. The adjusting levers are of the same form and construction as used in No. 101 Cultivator.

No. 64—Expanding Lever, Five Spring Teeth and Wheel. List price, \$7.50; discount for cash, 50c.

THE LITTLE GIANT.

This Hoe we have sold for two seasons with good success. It is the only Hoe on the market that can be adjusted with the foot while the team is in motion; with other hoes the driver is obliged to stop his team to change the width of his hoe. This is a great advantage on side hills and where the rows are not marked out uniform. We furnish a complete set of horse hoe attachments and Five Steel Plates. List price, \$6.00; discount for cash, \$1.00.

**LITTLE GIANT HORSE HOE AND CULTIVATOR.**

With Patent Expanding Lever Adjustment by the Foot.

STEEL FARM ROLLERS.

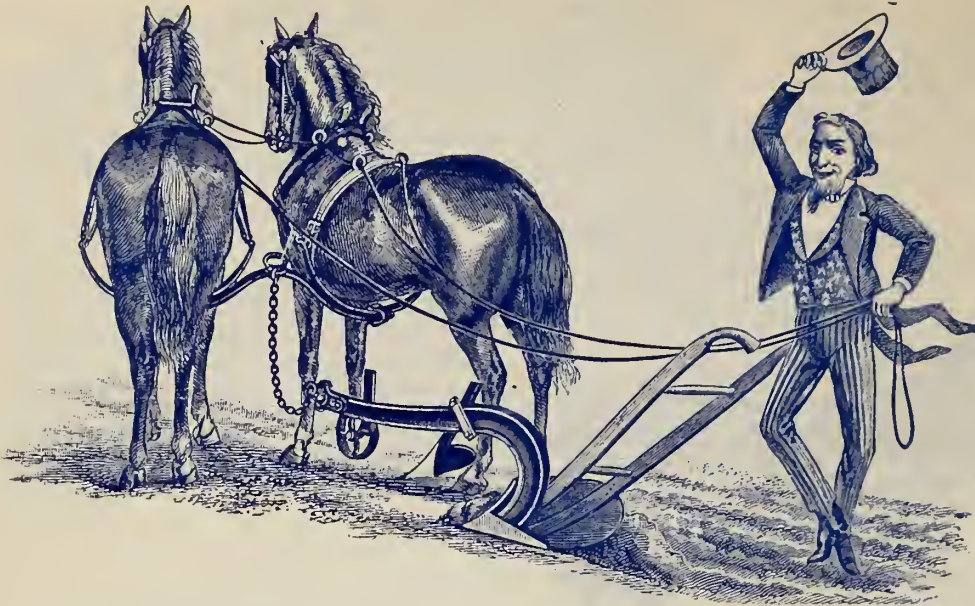
There is no well regulated farm that does not have a field roller of some kind, but the old cast iron roll will not stand our rocky farms, and the expense of keeping it in repair is so much that few farmers can afford to own one. This one is made of steel boiler plate, and is next to indestructible, while the price is so low that no one can afford to be without one.



We keep the No. 3 and No. 5 in stock as they are the best sellers. The No. 3 we have with pole or shafts.

	PRICES.	List Price.	Dis. for Cash.
No. 3 Roller, length 6 ft., diam. 24 in., weight about 550 lbs., 3 sections...		\$30.00	\$4.00
No. 7 Roller, length 7 ft., diam. 24 in., weight about 650 lbs., 3 sections...		34.00	5.00
No. 4 Roller, length 8 ft., diam. 25 in., weight about 700 lbs., 3 sections...		38.00	5.00
No. 5 Roller, length 6 ft., diam. 30 in., weight about 650 lbs., 3 sections...		34.00	7.00
No. 6 Roller, length 8 ft., diam. 30 in., weight about 850 lbs., 3 sections...		42.00	8.00

These rollers can be weighted to three times the above figure. Extra for seeders, 6 ft. \$9.00; 7 ft. \$10.00; 8 ft. \$11.00. Discount for cash, \$1.00.



Sherwood's Steel . . . Harness. .

This Harness requires no whiffletrees, no long tugs; nothing in the way around the horses' heels; nothing to bark the trees; team works better and easier; less work for man and team. Can be used on plow, scraper or wagon. Plowing in an orchard with one of these harnesses is a pleasure compared with the old way.

List Price..... \$15.00
Discount for Cash.... 4.00

This machine can be set in motion by a lever operated with the foot. The adjustment for sowing from 200 to 4,000 lbs. per acre (depending upon the dryness and different qualities of the fertilizers) is made by a lever operated with the right hand, so simple that a boy can run it. Lightness of draft, even in soft land, as the wheels have tires four inches wide, also a ratchet hub which allows the turning of corners or completely around while in motion, or to back, without throwing out of gear. It is low down and easy to fill. The axle extends the entire width of the machine. All parts are thoroughly constructed and this Sower will last a lifetime. Adjustment is perfect, simple and strong, a great improvement over the complicated adjustment used in other sowers. It sows five feet 10 inches wide. The price is within the reach of every farmer. Send for circulars. List price, \$50.00. Discount for cash, \$5.00.

HAND, LAWN AND GARDEN ROLLERS.

Two Styles of Steel and
Two Styles of Iron.

No. C.—Steel. Size, 20x20. List,
\$15.00. discount for cash, \$3.00.

No. F.—Steel
size, 24x24
List, \$18.00;
dis. for cash,
\$3.00.

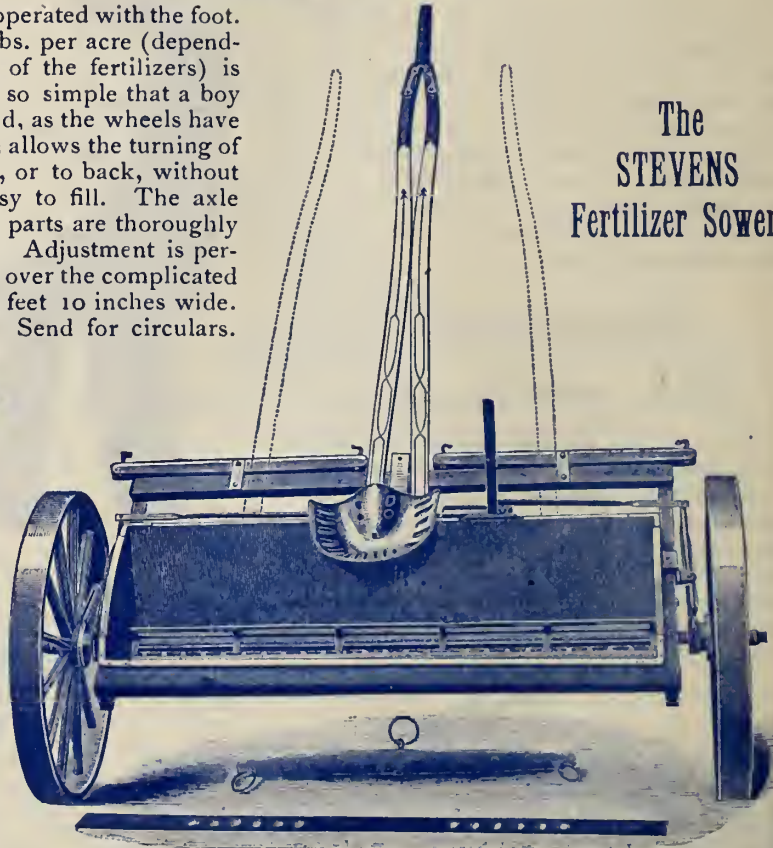
No. 1—Orna-
mental Iron,
size, 16x20.
List, \$10.00;
dis. for cash,
\$2.00.

No. 3—Orna-
mental Iron.
size, 22x22.
List, \$13.50;
dis. for cash,
\$3.50.



The easiest, simplest and most practical method ever invented, for dressing and grinding mowing machine and harvester knives. No costly stone to be kept in order. The only machine that will grind every knife exactly the same, and make any bevel desired; grinding out gaps and leaving the same bevel as the balance of the knife. The Grinder when in use, is attached to the wheel of the mower, and is operated by one person with the greatest of ease. List price, \$6.00; discount for cash, \$1.00.

The STEVENS Fertilizer Sower.



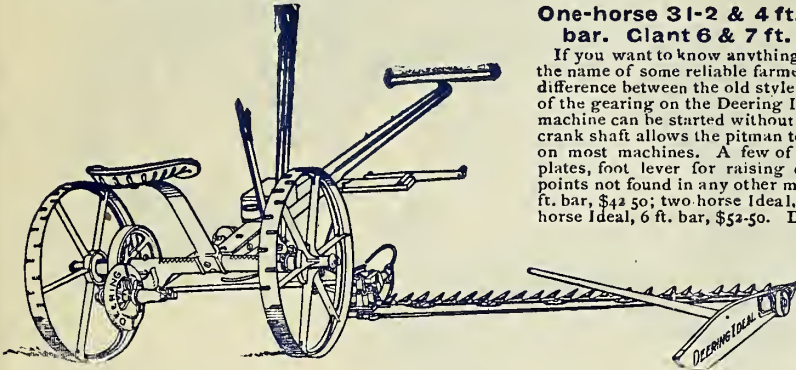
THE PERFECTION KNIFE AND SICKLE GRINDER.



The Ideal or Bicycle Mowing Machine.

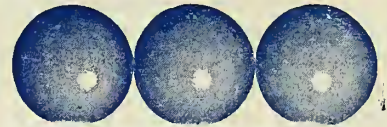
The only machine made that runs on Ball Bearings.

THIS MACHINE RUNS ON BALL AND ROLLER BEARINGS, THE SAME AS THE MOST APPROVED BICYCLES, and has the same relation to the ordinary mowing machines as the bicycle does to the old velocipede, and we defy anyone to show us one good reason for buying any other machine on account of looks, material principle or workmanship. The mammoth works of the Deering Harvesting Co. are among the largest in the world, covering 65 acres of ground and employing over 6000 hands, not including the thousands of agents which represents them in all parts of the world. The capacity of these works is ONE COMPLETE MACHINE AND THIRTY MILES OF TWINE EVERY MINUTE. It costs money to equip these machines with such bearings, but we are able to offer them at but a few dollars advance above the old style machines.



One-horse 31-2 & 4 ft. cutter bar. Two-horse 4 1-2 & 5 ft. cutter bar. Giant 6 & 7 ft. cutter bar.—All with Bicycle Ball Bearings.

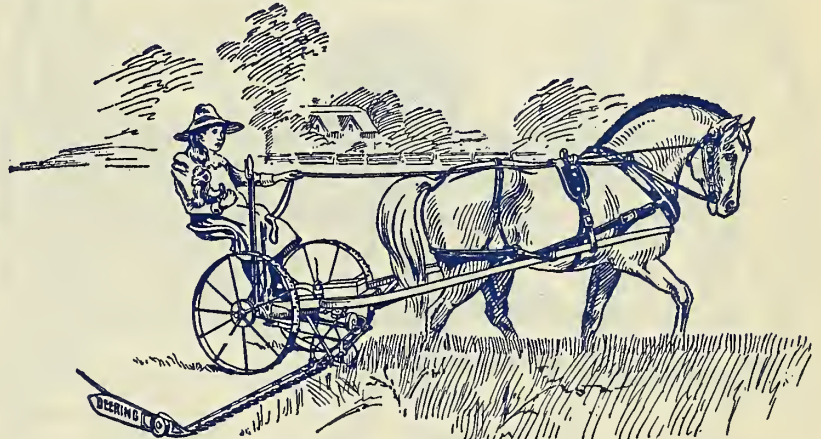
If you want to know anything about the IDEAL drop us a card, we undoubtedly can give you the name of some reliable farmer in your town that has one and who will explain to you the difference between the old style bearing and a ball and roller bearing. So positive is the action of the gearing on the Deering Ideal that the knife starts the instant the wheels move; and this machine can be started without backing the team in the most difficult crops; the horizontal crank shaft allows the pitman to run easy and without that jerking and jarring and wabbling on most machines. A few of its many good points are, floating cutting-bar, serrated ledger plates, foot lever for raising cutter-bar, no neck weight on the horses, and many other good points not found in any other machine. One horse Ideal, 3 1/2 ft. bar, \$40.00; one-horse Ideal, 4 ft. bar, \$42.50; two-horse Ideal, 4 1/2 ft. bar, \$45.00; two-horse Ideal, 5 ft. bar, \$47.50; Giant two-horse Ideal, 6 ft. bar, \$52.50. Discount for cash, all sizes, \$2.50.



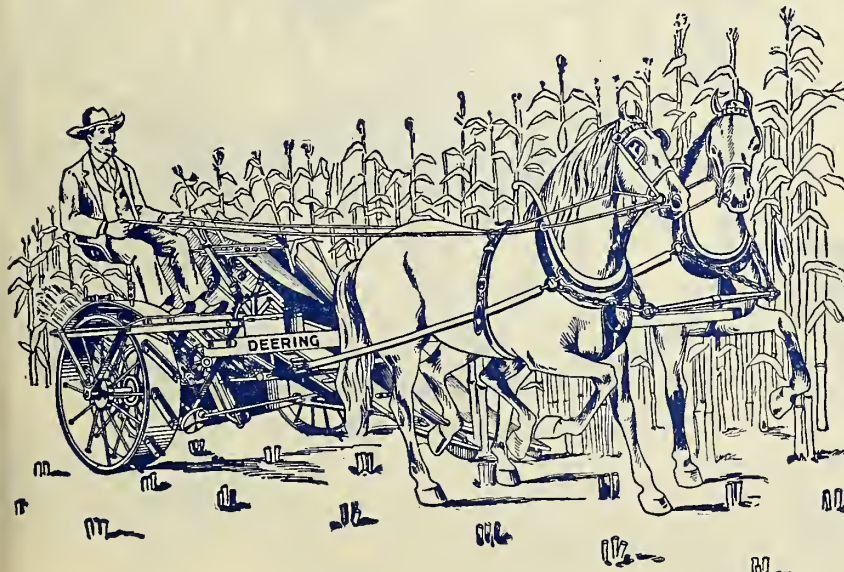
Exact size of Balls used on Ideal Deering Mowers. Nothing like them used on any other machine.

We carry over 3,000 dollars worth of repairs for these machines in stock.

While our sales for repairs last season was less than 25 per cent. of what it was on other makes of machines which we transferred, there is no profit in selling extras for Deering machines, but on most makes that is where the greatest profit comes from. It will pay you to look into this.



Deering one horse, a child can run it.



Deering Ball Bearing Corn Harvester.

Declared by the best informed authorities to be the Only Successful Corn Harvester before the American people. Made on the right principle. The Deering plan of permitting the corn to fall backward on a low horizontal binder deck superior in every way to the method of holding the top-heavy stalks upright. Lightest in draft, makes a better bundle, and does not break off nearly as many ears as are broken by the vertical machines.

To any farmer who has more than a medium acreage of corn and has any use at all for his fodder, a good corn harvester and binder is a necessity. You will be confronted the coming season, as you were last, with two distinct types of corn harvesters; the Deering low down horizontal machine, and the "vertical" type made by competitors. The problem with you will be not whether to buy a corn harvester, but which type of machine is the one that will prove to be the most efficient implement. Send for handsome illustrated catalogue. Price, \$125.00.

The Bay State Tedder.

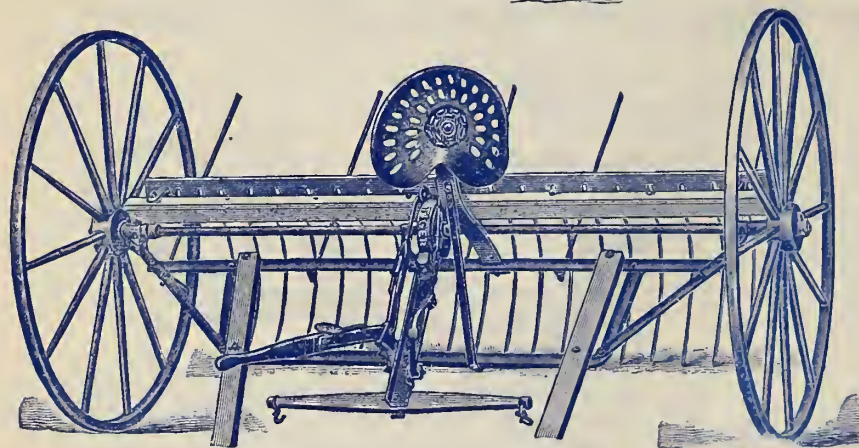
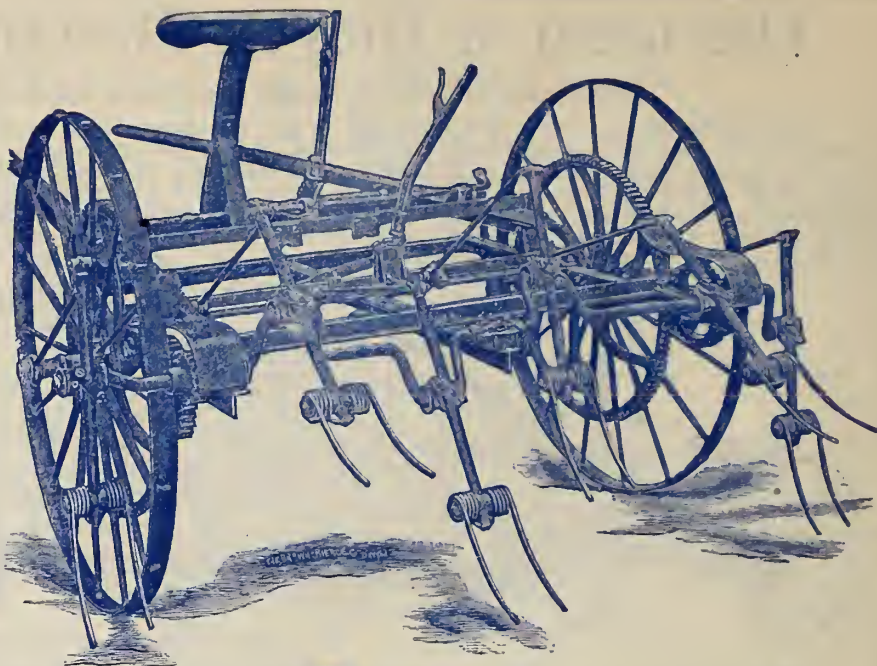
Wood or Steel Frame.
Six and Eight Fork.

This Tedder is made expressly for us by the largest firm in the country. It has all the latest improvements in all outside fork hay tedders, and unexcelled for strength and durability. The combination of pole and shafts makes it very handy for the farmer who often want to change from the mower to the tedder. This change can be made in a very few minutes. We can furnish it in either wood or steel, as preferred, and we want a good energetic man for an agent in every town.

List price, wood frame, 6 fork, \$28.00;
discount for cash, \$2.00.

List price, steel frame, 6 fork, \$30.00;
discount for cash, \$2.00.

List price, steel frame, 8 fork, \$32.00;
discount for cash, \$2.00.



THE TIGER RAKE.

This Rake has been sold in New England for the past fifteen years, and has given the best satisfaction probably of any rake on the market. It has a Steel Axle running the entire length of the rake; and the material used is of the very best; has horse and hand dump. It is simple, easily handled by any one large enough to drive a horse, and without doubt the most durable rake ever put upon the market. Send for full descriptive circular.

List price..... \$22.00
Discount for cash..... 2.00

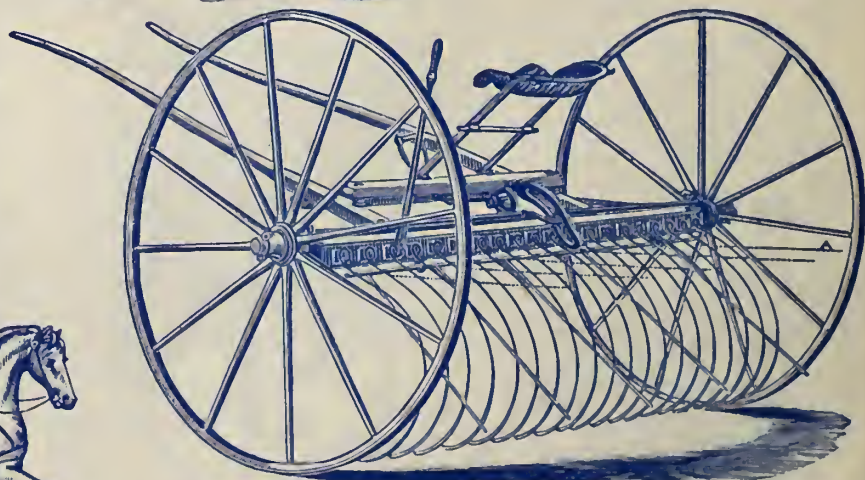
The Best Rake for the Money We Have.

GENUINE CHAMPION RAKE.



This rake is undoubtedly the best rake on the market for raking green hay or rowen. It has the sled runner tooth; is a self-dumping rake, and is easily operated by any one capable of driving a horse. There are several imitations on the market this year. Be sure and get the GENUINE.

List price, \$22.00; discount for cash, \$2.00.



THE GENUINE YANKEE RAKE.

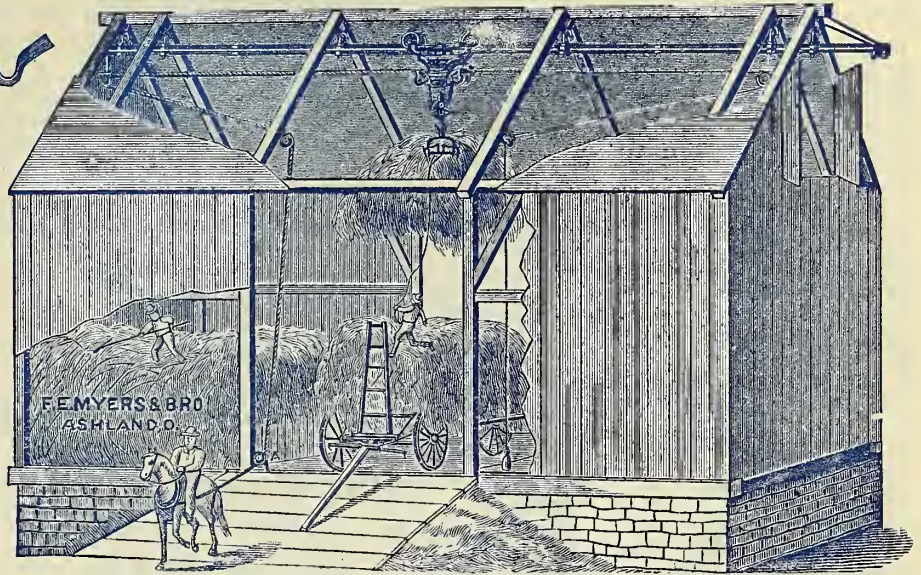
It is so well known in this, and almost every other, section that it needs no words of ours to introduce it.

There are no useless traps to get out of order; neither is there any saving of expenses at the cost of utility. Every part is made of the best material and fully warranted.

List price, \$21.00; discount for cash, \$1.00.

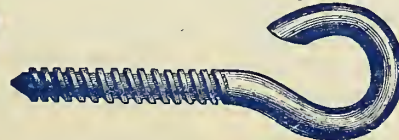
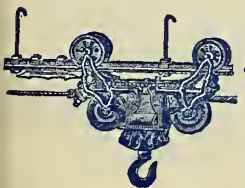
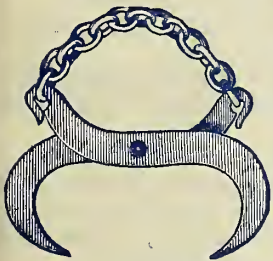
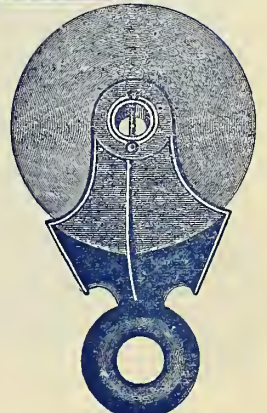
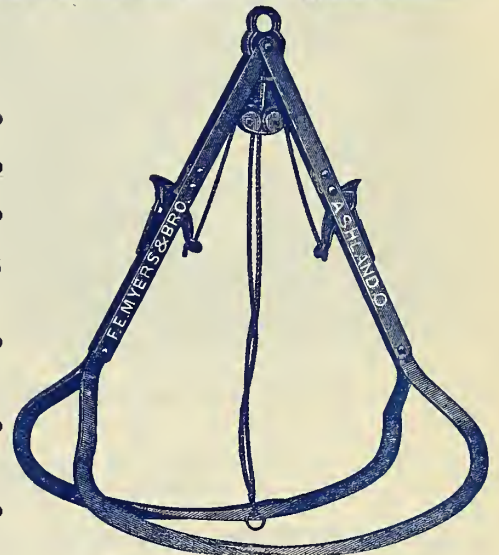
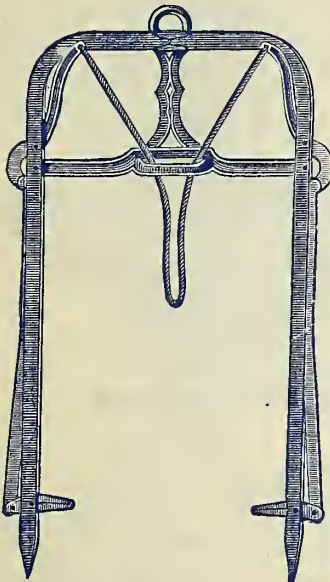
Myers Reversible Steel Track Hay Carriers.

The Myers Carriers for rod, wood, or steel track are the most durable and easiest rigs to operate of any on the market. Any one with a hammer and wrench can rig his barn as well as an expert carpenter. We furnish everything necessary for rigging any style of barn. If you will send us the length and height of your barn and style of ridge pole, will name you price for complete job.



PRICES.

Myers Reversible Carrier, each,	\$5.00
Myers One Way Carrier, each,	4.50
Myers Wood Track Carrier, each,	4.50
Myers Steel Track, per foot,	.13
Myers Steel Hanger Hooks, per dozen,	1.00
Myers Malleable Iron Rafter Brackets, per dozen,	.50
Myers Four Tine Grapple Forks, each,	4.00
Myers Six Tine Grapple Forks, each,	5.00
Myers Double Harpoon Forks, each,	1.00
Myers Knot Passing Pulleys, each,	.25
Myers Common Pulleys, each,	.20
Myers Rope Hitch, each,	.25
Myers Floor Hooks, each,	.10
Myers Steel Grapple, each,	.50



The De Laval "Baby" Cream Separators.

The purpose of the Cream Separator is the expeditious and complete separation of cream from milk in the most practical manner possible.

METHOD OF OPERATION. The Separator consists of a cylinder-shaped steel bowl or vessel, encased within and mounted upon a frame provided with suitable gearing to acquire a high speed with a minimum expenditure of operating power. The whole-milk is fed into this bowl, the separation effected within it, and the cream and skim milk are separately discharged from it, the discharge following within half a minute after the in-flow, while the machine may be used for as few minutes or as many hours—at a time—as may be necessary, according to the amount of work to be done

"HUMMING BIRD."

The "Humming Bird" or No. 0 is the smallest of the "Baby" machines, and is of the improved "Alpha" disc bowl type. It possesses all the advantages of the larger styles of "Alpha" machines, and is designed for popular household and small dairy use, from the family buying its milk and wishing to turn part of it into cream or butter as wanted, to the private dairy or farmer having less than 6 to 8 cows. It is operated with a ratchet strap, instead of a crank—the motion being that of pulling an oar toward one—and is extremely easy of operation, being easily capable of use altogether by women and children. Its capacity is 175 lbs., and price, \$65.00.

IMPROVED "BABY" No. 2.

The "Baby" No. 2 is the best-known and heretofore most widely used size of dairy separator, and is the machine which has done most toward revolutionizing farm dairying. It is of the "Alpha" or disc bowl type, and as now made possesses many improvements over any previous form. It is intended for dairies from 5 to 20 or 30 cows, and often used in even larger ones. Its capacity is now 350 lbs., and price \$125.00.



Send for large circular describing all sizes and giving bottom prices.

WHAT PEOPLE THINK OF THE DE LAVAL.

MASSACHUSETTS AGRICULTURAL COLLEGE.

Amherst, Mass., March 11, 1897.

"We have used a De Laval 'Baby' No. 3 Separator daily in our Dairy School during the past term, separating from 600 lbs. to 1200 lbs. of milk at a run, and with an average speed of 5812 rev. per minute; have obtained an average capacity of 682 lbs. of milk per hour, with only .026 fat in skim-milk. In one test the skim-milk contained only .01 of fat. It has separated cold milk at 60 deg., when other machines clogged badly, with only .1 of fat left. We think very favorably indeed of the 'Alpha' machines."

F. S. COOLEY, Acting Prof. of Agriculture.

STORRS AGRICULTURAL EXPERIMENT STATION.

Storrs, Conn., March 8, 1897.

"We have used the 'Baby' No. 2 Separators on the College farm and at the Experiment Station with entirely satisfactory results. We find them durable, easy to clean, and very efficient. The loss of fat in the skim-milk rarely exceeds one-tenth of one per cent. There is no other method of creaming milk so efficient"

C. S. PHELPS, Prof. of Agriculture.

Also the following Experiment Stations:

Cornell University Experiment Station, Ithaca, N. Y.
Vermont State Dairymen's Association, Morrisville, Vt.
Maine State College and Experiment Station, Orono, Me.
Agricultural College of Utah, Logan, Utah.
Michigan Experiment Station, Agricultural College, Mich.
Texas Agricultural and Mechanical College, College Station, Brazos Co., Texas.
University of Arizona Experiment Station, Tucson, Ariz.
New Hampshire College Experiment Station, Durham, N. H.
University of Nebraska School of Agriculture, Lincoln, Neb.
Maryland Agricultural Experiment Station, College Park, Prince George Co., Md.
North Dakota Experiment Station, Fargo, N. D.
14 other Experiment Stations.

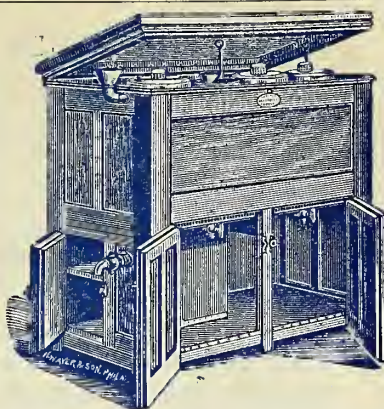
If the above isn't proof enough, buy a machine, and you will be thoroughly convinced.

With Surface Skimming Attachment—With
or Without Special Refrigerator.

PRICE LIST.

Price in first column is for the Plain Creamery; the second column is price with Special Refrigerator Compartments, lined with zinc and having slate shelves. Both styles have the lower compartment doors.

Discount for cash, 10 per cent.



	No. of Cows.	Plain Creamery.	With Sp. R'f'g
No. 2....2 cans....	2 to 3....	\$20.00	\$
No. 3....3 "	3 to 4....	26.00	31.00
No. 4....4 "	5 to 6....	32.00	37.00
Each can holds 2½ gallons, or 21 lbs., of milk.			

No.	2.	3.	4.	5.	6.	8.	10.	12.	No. of Cows.	Plain Creamery.	With Sp. R'f'g
No. 2.	2	2	2	2	2	2	2	2	5	6...	\$25.00
No. 3.	3	3	3	3	3	3	3	3	7	9...	36.00
No. 4.	4	4	4	4	4	4	4	4	10	12...	42.00
No. 5.	5	5	5	5	5	5	5	5	13	15...	48.00
No. 6.	6	6	6	6	6	6	6	6	15	18...	54.00
No. 8.	8	8	8	8	8	8	8	8	20	24...	66.00
No. 10.	10	10	10	10	10	10	10	10	25	30...	78.00
No. 12.	12	12	12	12	12	12	12	12	30	36...	85.00
Each can holds 5 gal. or 42 pounds of										milk.	

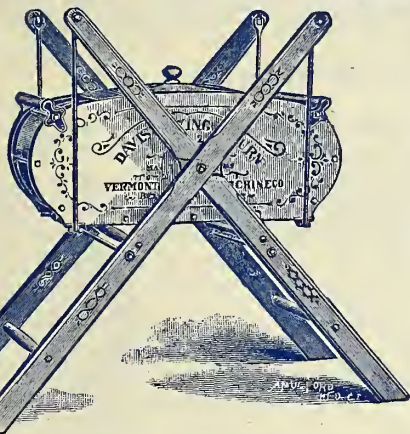
We are pleased to inform our customers that we have the agency for all goods made by the Vermont Farm Machine Co., and our prices will be as low as they can be bought for. The Cooley Creamery has been upon the market so long, and is so extensively used and so well known, that it will not be necessary for us to enlarge upon its merits. This Creamer is manufactured in four styles. Send for fully illustrated pamphlet.

COOLEY CABINET CREAMER.

VERMONT FARM MACHINE CO.
BELLows & FALLS, VT.

		Senior Style.	Junior Style.	Elevator Style.	Cabinet.
No. 0....	1 Can.... 1 to 3 Cows....	\$18.00	\$20.00	\$00.00	\$20.00
No. 00....	2 " 4 to 6 "	25.00	25.00	32.00	27.00
No. 1....	3 " 6 to 9 "	30.00	32.00	00.00	33.00
No. 2....	4 " 9 to 12 "	35.00	37.00	45.00	40.00
No. 3....	6 " 12 to 18 "	45.00	48.00	57.00	52.00
No. 4....	8 " 18 to 25 "	55.00	58.00	68.00	64.00
No. 5....	10 " 24 to 30 "	65.00	70.00	79.00	75.00
No. 6....	12 " 30 to 36 "	75.00	80.00	93.00	85.00
No. 7....	14 " 36 to 42 "	85.00	00.00	105.00	
No. 8....	16 " 42 to 48 "	95.00	00.00	117.00	

**Price of Cans, only, 18 Quart, \$3.00. Discount for Cash, 10 per Cent.
Crenmeries, write for Special Discount.**



The principle governing the process of butter-making in the Davis Swing Churn is that the particles of cream come in contact with each other only, and are not unduly beaten by floats. It is very easy to work and very simple in its construction. The butter comes in beautiful granules in the most desirable forms for washing with cold water or brine.

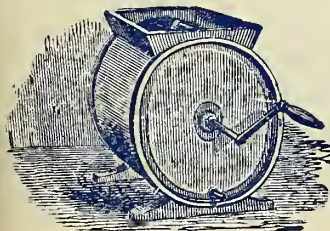
Price List.—Complete, with Folding Frame, as Shown.

This is the regular frame, and is always sent unless specially ordered otherwise. Extra for Tilting Frame, \$1.00.

Size.	Will Churn.	Weight, Lbs.	Price.
No. 1.....	4 gal., or less,	55	\$ 7.00
" 2.....	5 " "	59	8.00
" 3.....	8 " "	73	10.00
" 4.....	10 " "	85	12.00
" 5.....	13 " "	98	15.00
" 6.....	17 " "	112	18.00
" 7.....	30 " "	258	25.00
" 8.....	40 " "	275	30.00
" 9.....	50 " "	345	35.00

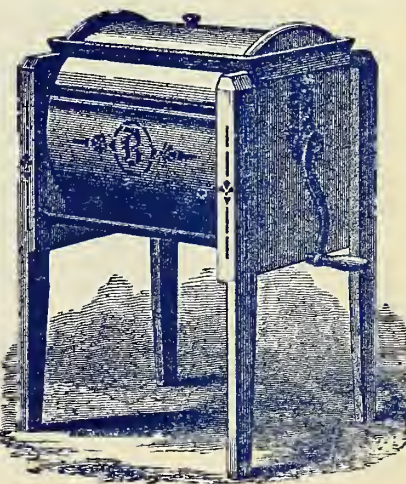
We offer the Blanchard Churn to our customers as being one of the best which is before the public. It has no rival in cheapness, durability, simplicity and efficiency; and its large and increasing sales everywhere is the best proof that it gives satisfaction.

No. 3.	For 2 Gallons of Cream,	List Price.....	\$ 6.00.	Discount for Cash.....	\$1.00
No. 4.	" 4 " " " "	" " " "	7.00.	" " " "	1.25
No. 5.	" 8 " " " "	" " " "	8.00.	" " " "	1.50
No. 6.	" 12 " " " "	" " " "	10.00.	" " " "	2.00
No. 7.	" 16 " " " "	" " " "	12.00.	" " " "	2.25



No. 1.	List price...	\$2.50.	Discount for cash...	\$0.75
No. 2.	" "	... 3.00.	" "	... 0.75
No. 3.	" "	... 3.50.	" "	... 0.75
No. 4.	" "	... 4.00.	" "	... 1.00

Designed for those having a Small Dairy.



THE STODDARD CHURN.

The Stoddard Churn is made by hand in the most thorough manner and of kiln dried white oak. It will last for years. The principle is concussion not friction—has no float nor paddle inside. It is easily operated, easily cleaned. This churn is worth one-third more than any other barrel churn made.



PRICES—DAIRY SIZE.

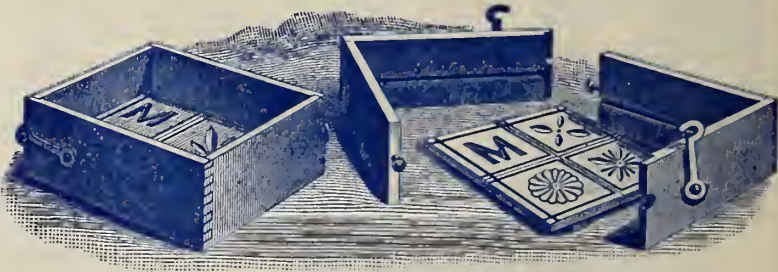
		List Price.	Discount for Cash.
No. 1.	Ten gallon churn; churns from 1 to 4 gallons cream.....	\$ 8.00	\$1.00
No. 2.	Fifteen gallon churn; churns 2 to 7 gallons cream.....	9.00	1.00
No. 3.	Twenty gallon churn; churns 3 to 9 gallons cream.....	10.00	1.25
No. 4.	Twenty-five gallon churn; churns 4 to 12 gallons cream.....	12.00	1.50
No. 5.	Thirty-five gallon churn; churns 5 to 16 gallons cream.....	14.00	1.75
No. 5½.	Forty-five gallon churn; churns 5 to 20 gallons cream.....	17.00	2.00
No. 6.	Sixty gallon churn; churns 6 to 28 gallons cream.....	20.00	2.50
Pulleys, for power, extra. Twelve inch iron pulley, including extra heavy frame			
			3.00
Cone pulley, pulley attachment for dog power.....			3.00

THE BLANCHARD BUTTER MOULD.

We keep this style in stock, and can recommend it as being first-class, while the price is much less than the Combination mould which costs double.

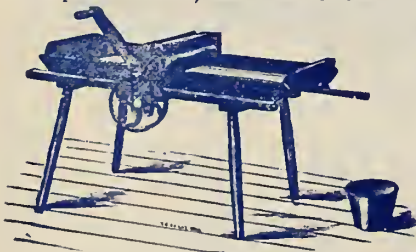
PRICES.

1-2 lb	\$0.80
1 lb	1.00
2 lb	1.25



WATERS' NEW BUTTER WORKER.

The purpose of working butter is to free it from buttermilk and distribute the salt evenly through it. The less labor required to accomplish this end, the better for the butter. The Waters differs from most butter workers principally in the point that the tray, with the butter, moves under a stationary roller instead of the roller travelling over the butter in the tray. We have many testimonials from parties who recognize the great superiority of this principle, as embodied in the Waters' Butter Worker.

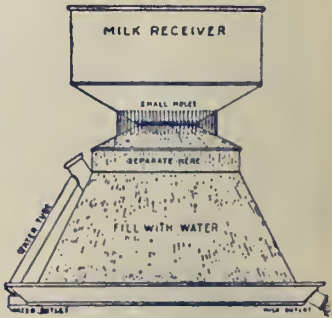


	Capacity.	List Price.	Dis. for Cash.
No. 0.....	1 lb. to 15 lbs.....	\$ 7.00	\$1.00
No. 1.....	5 lbs. to 30 lbs.....	8.00	1.00
No. 2.....	5 lbs. to 40 lbs.....	9.00	1.25
No. 3.....	5 lbs. to 50 lbs.....	10.00	1.50
No. 4.....	10 lbs. to 80 lbs.....	14.00	1.75

THE MODEL MILK COOLER AND AERATOR.

Does what no other cooler does, namely, thoroughly cools the milk and at the same time aerates it perfectly. So that it is ready to ship or peddle at once. No time is lost in stirring morning's milk and getting it ready for customers, as it is cooled as fast as milked. When through milking, your milk is all cooled and aerated ready to start with, which is a great saving of both time and labor. The Model Cooler is very simple in construction and use, as any child old enough to milk can use it. In using the Model Cooler, strain the the milk into the receiving tank as it is milked, so that when through milking, your milk is cooled and aerated ready to ship or deliver to customers. Made in three sizes to suit any dairy.

No. 2.	Suitable for 10 to 15 cows, Cash retail price.....	\$ 7.00
No. 3.	“ “ 25 to 40 cows, “ “	8.00
No. 4.	“ “ 50 to 100 cows, “ “	10.00



FLOATING DAIRY THERMOMETER.

These Thermometers are graduated especially for dairy use, and mark the degrees for freezing, churning, cheese-making and scalding.

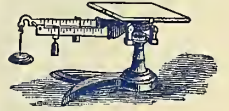
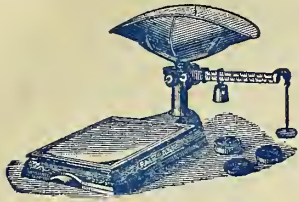
By Mail..... Price, each, \$0.35

FARMERS' SCALES.

We offer for the use of farmers and dairymen, and housekeepers, a convenient and low priced scale, warranted accurate, weighing from ½ oz. to 240 lbs. Single beam, \$4.50; double beam, \$5.00.

FAIRBANKS' DAIRY SCALES.

With marble top. Will weigh ¼ oz. to 25 lbs. Net price, \$9.00.
For farmers' use we have a 500-pound platform scale with wheels, for \$12.00.

**MILKING TUBES.**

No. 1. Price, each, by mail.....\$0.25



No. 2. Price, each, by mail.....\$0.35

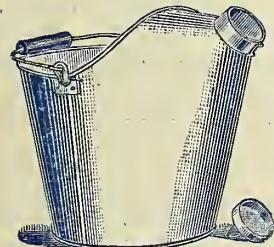
No. 3. Price, each, by mail.....\$0.45

THE GEM COMBINATION MILK BUCKET.

With Removable Strainer.

It has no equal in its simplicity. Made of the best IX Tin, with Steel Strainer Frame. The Gem Combination Milk Bucket can be used for milk with strainer, or the strainer can be removed by a single turn of the latch and the bucket used for any other purpose. The Strainer is constructed of Steel, with Fine Brass Wire Cloth, and can be readily converted into a cloth or muslin strainer by simply covering the frame with the cloth and inserting the frame in place. It has none of the disadvantages of the old style bucket. It has a dairy pail bottom, which adds to its strength and lifetime. The strainer can be cleaned in a moment's time by removing it.

Price, 10 quarts.....\$0.60. 12 quarts.....\$0.70 14 quarts.....\$0.80



Common Sense.

COMMON SENSE MILK PAIL.

This pail is made of extra heavy tin. The strainer can be removed to clean or repair, and it is the best pail for all purposes made.

Price.....\$1.25

I. C. MILK PAIL.

The I. C. Milk Pail is for dairy use. It is a special pattern. The seams are all soldered inside, and wire at the top. It has a rim to protect the bottom, which also serves as a handle in tipping. Price, 14 quarts, 60c.; 12 quarts, 50c.



Gem.

RAILROAD, OR MIXING CANS.

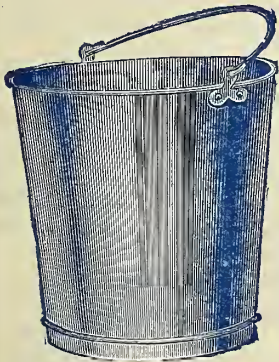
With 3-4 Inch Nickel Plated Brass Cocks.

This can is used for tanking milk where a large number of cows are kept. The cocks are attached by means of a thread or screw, and can be removed.

PRICES.

20 quarts.....	\$ 4.50
30 quarts.....	5.00
40 quarts.....	5.25
50 quarts.....	6.75
60 quarts.....	8.50
80 quarts.....	12.00

Larger Sizes Furnished to Order.

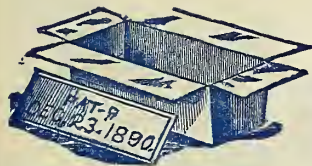


I. C.

BUTTER BOXES.

The Dumas square box holds five pounds; the only box that butter can be turned out of and left in good shape. Price, per dozen, all papered, 75 cents.

We also have the five and ten pound boxes at 65 cents per dozen for five pound, and 75 cents for the ten pound.

**BUTTER CARRIERS.**

For shipping butter moulded in quarter and half pound lumps. We make these Carriers ourselves, and they are the best Carriers on the market.

Price, 16 pounds.....\$1.50.

Price, 24 pounds.....1.65.

Price, 32 pounds.....\$1.85

Price, 40 pounds.....2.00



THE FREEMAN ENSILAGE AND FEED CUTTER.

With all the improvements for 1899, is the most complete cutter on the market. It has many valuable improvements which are not found on any other cutter. The four-sided dead knife is one great improvement. The stop feed lever often times saves the machine from a break. The swivel carrier is simply perfect and can be attached to nearly all feed cutters.

**Send For
Illustrated
Catalogue.**

FREEMAN CUTTER

**Send For
Illustrated
Catalogue.**

No. 7.	8-inch knife, three lengths of cut.....	\$21.00	\$24.00
No. 8.	9 1-2-inch knife, three lengths of cut.....	27.00	80.00

No. 10. 10 1-2-inch knife with safety fly-wheel and pulley.....	—	\$88.00
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No. 10	10 1-2 inch knife with safety fly-wheel and pulley.....	————	\$40.00
No. 11.	11-inch knife with safety fly-wheel and pulley, three lengths of cut.....	\$40.00	\$ 45.00
No. 13.	13 inch " " " " " " " "	60.00	65.00
No. 16.	16 inch " " " " " " " "	————	90.00
No. 20.	20-inch " " " " " " " "	————	170.00
No. 24.	24-inch " " " " " " " "	————	225.00

The only Carrier that can be attached to any outter and run in any direction.

For No. 11 Cutter, 12 feet long or under.....	\$30.00	Extra per foot over 12 ft.....	\$1.00
For No. 13 Cutter, " " "	32.00	" " " "	1.50
For No. 16 Cutter, " " "	33.00	" " " "	1.75
For No. 20 Cutter, " " "	36.00	" " " "	2.00
For No. 24 Cutter, " " "	40.00	" " " "	2.25

Discount for Cash.....	33 1-3 per cent.
------------------------	------------------

This machine, which is known as a Shredder, can also be used for cutting hay and straw as well as for a shredder. As may be seen by the illustration, our cutting device consists of a series of laterally bent steel blades, each cast separately in a solid section and placed spirally on the shaft, four blades to each inch of shaft, and by their peculiar shape and arrangement and continuous cutting process split as well as cut the hardest corn stalks (with or without the ears) at one and the same operation. The blades are made of the best grade of steel, and have one and one-half to two inches of wearing surface, according to the size of the cutter. They are easily sharpened or replaced if broken. With an ordinary six inch mill saw file the blades may be sharpened in half the time required to remove and grind and adjust the old style, heavy, long knives. We have two sizes for hand only, two sizes for hand and power, and five sizes for power.

LIST PRICES.

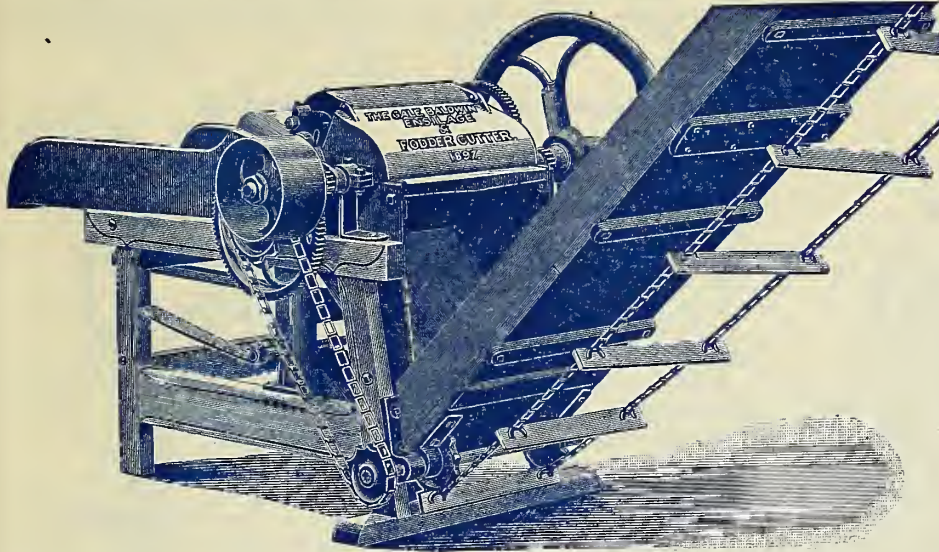
No. 6.	Hand power.....	\$ 30.00
No. 8.	Hand power.....	35.00
No. 10.	Hand power.....	50.00
No. 12.	Horse power.....	60.00
No. 15.	Mammoth.....	75.00
No. 11.	Mammoth.....	70.00
No. 13.	Mammoth.....	80.00
No. 16.	Mammoth.....	130.00
No. 19.	Mammoth.....	160.00



Discount for Cash, 25 per cent.

GALE BALDWIN ENSILAGE AND FEED CUTTER.

In the construction of this machine we use all the good features found in the Improved Baldwin Feed and Ensilage Cutter which have made that well-known machine so popular. The Gale-Baldwin is a **strong feeder**, and cuts with great ease and



rapidity, while all parts are made strong. THE BEECHER'S PATENT ROTARY CUTTER HEAD is used exclusively on this machine, and its long use on the power Baldwin machine has proved its superiority over all other devices for ease of adjusting the knives and durability.

Description of Sizes.

Length of knives in inches same as number of machine. Each size made with two knives.

No. 16—This is a strong, substantial Cutter, suitable for common work on ensilage or dry fodder. It has powerful feed rollers and is easy to feed. Capacity for ensilage, $2\frac{1}{2}$ to 5 tons per hour. Power required, one to two horse tread power. Speed, 500 to 600 revolutions per minute. Cut, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ or 1 inch. Pulley and wheel interchangeable. Special cutters of this size furnished to cut double above lengths. Regular pulley 10 inches; other sizes furnished.

Price of Cutter without Carrier.....	\$60.00.	Over 12 feet, extra per foot.....	\$ 1.50
Straight Delivery Carrier, 12 feet long or under.....	24.00.	Safety Treadle Lever.....	5.00
Angle Delivery Carrier, 12 ft. or under, New Spout Carrier.....	32.00.	Masticator Attachment.....	30.00

No. 18.—This is a large and powerful machine, and the favorite for cutting large quantities of ensilage and dry feed. Large powerful feed rollers and easy to feed—no pushing necessary after rollers grasp the feed. Capacity for ensilage, 50 to 100 tons per day. Power required, two to four horse. Speed, 500 to 600 revolutions per minute. Cuts $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, or 1 inch. Gear also furnished to cut $\frac{1}{2}$ inch if ordered. Is a simple machine and easily kept in order. Pulleys and balance wheel interchangeable. Heavy knives and gearing.

Price of Cutter.....	\$100.00
Straight Delivery Carrier, 12 feet long or under.....	\$24.00
Angle Delivery Carrier, 12 feet long or under, with New Spout Carrier.....	32.00
Over 12 feet long, extra per foot.....	1.50
Safety Treadle Lever.....	5.00
Masticator Attachment.....	40.00

No. 22.—Is a very large and heavy Cutter with great capacity. Power required, five to ten horse engine. Length of cut same as No. 18.
 Price of Machine.....\$150.00
 Straight Delivery Carrier, 12 feet long or under.....30.00
 Over 12 feet, Extra per foot, \$2.00.

Write for Discount.

R. B. MOUNTED GRIND STONES.

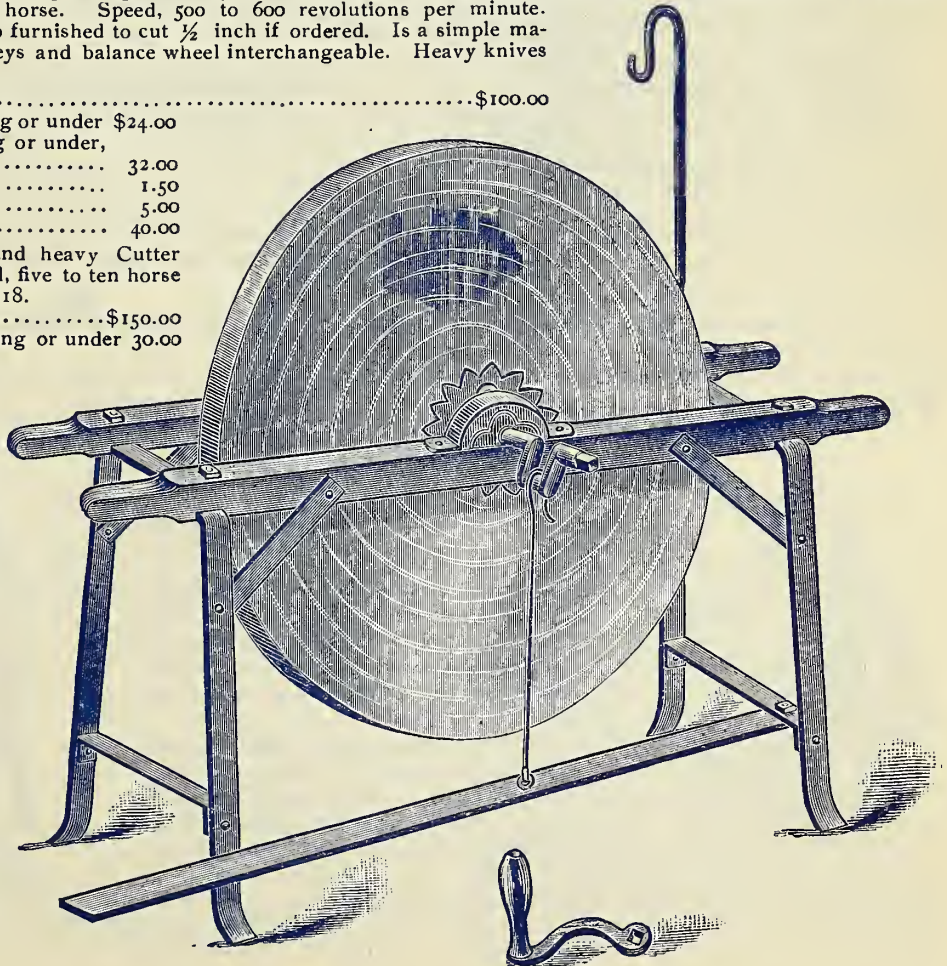
This is the best stone for the money on the market. The legs and braces are wrought iron, with malleable hangings. Wood frame, painted red. Best OHIO GRIT. Three sizes for all uses.

No. 1. Stone weighs about 120 lbs.....	\$5.00
No. 2. Stone weighs about 85 lbs.....	4.50
No. 3. Stone weighs about 65 lbs.....	4.00

HERCULES.

This stone is same grade as above, but is mounted on heavy frame and fixtures.

No. 3. $2\frac{1}{2}$ x 26 inches.....	\$6.50
No. 6. 2 x 30 inches.....	7.00
No. 8. 2 x 34 inches.....	8.00



MYERS' SPRAY PUMPS.

A LARGE AND COMPLETE LINE UP TO DATE.

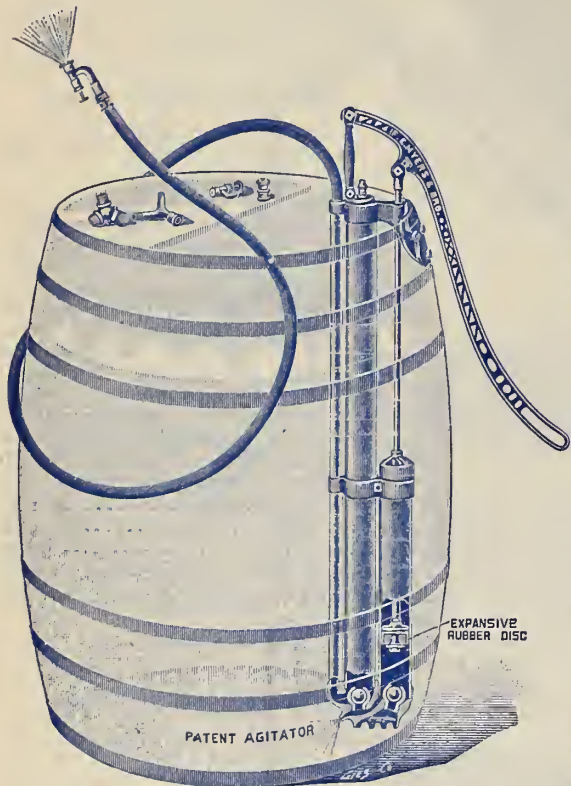


Fig. 305.

Spray Pumps for Spraying Trees, Etc.

The subject of spraying fruit trees and [small fruit] has been so thoroughly discussed and written up in all its details and different phases in fruit growing periodicals and agricultural journals, coupled with the fact that every fruit growing state has its own Experiment Station, Agricultural Society or College, from which documents or bulletins are issued free to its residents on application, giving results of experiments, different formulas for all kinds of insects and trees, in the most approved and scientific manner, containing complete information, describing the different insects, the formula to use and how and when to apply it, thus establishing the fact that spraying does pay, and is necessary to insure crops.

The Myers' Brass Spray Pumps are constructed of material that is not affected by the poisonous arsenites used in the different formulas for spraying fruit trees, vines and shrubbery. The cylinder and all the working parts are brass; has rubber ball valves, and is equipped with our Combination Spray Nozzle, which will throw a spray as fine as mist.

Fig. 305. This cut shows our latest Barrel Pump complete with five feet $\frac{1}{4}$ inch, 3-ply hose and graduated vermoral nozzle, 8-foot extension pipe and barrel. This gives a complete outfit, large enough for any orchard, and a rig that cannot be beaten at any price.

List price.....\$16.00 Discount for cash.....\$ 6.00

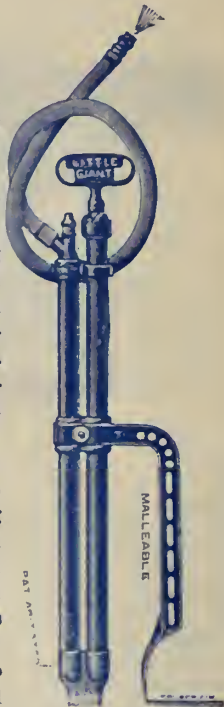


Fig. 327.

Fig. 327. Little Giant Brass Spray Pump, with foot rest, best hose and combination, fine and coarse spray, and solid stream nozzle. List price.....\$5.00 Discount for cash.....\$1.00

The Johnston Daisy Force Pump and Sprayer.

For farmers, gardeners, nurserymen, fruit growers and housekeepers. It is indispensable for killing bugs and insects on vines, vegetables and fruit trees. The best pump on the market for the money.

Retail price.....\$1.00



KNAPSACK SPRAY PUMP.

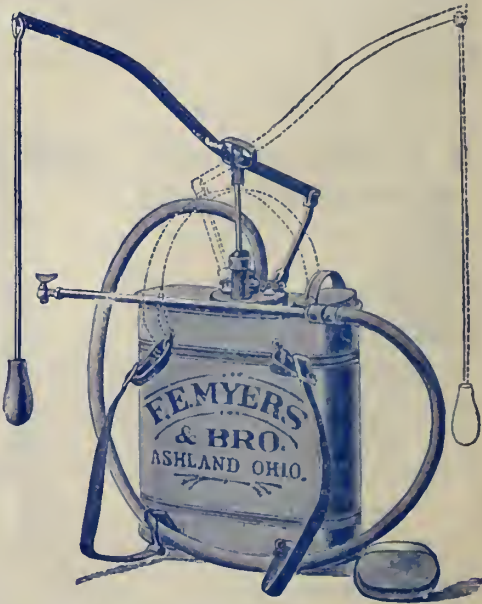
For Orchard, Vineyard or General Use.

The tank of this pump holds five gallons, is fitted up with lid and strainer, which can be removed. The pump is our regular Copper Tank Spray Pump, with large air chamber, ball valves, solid plunger and agitator.

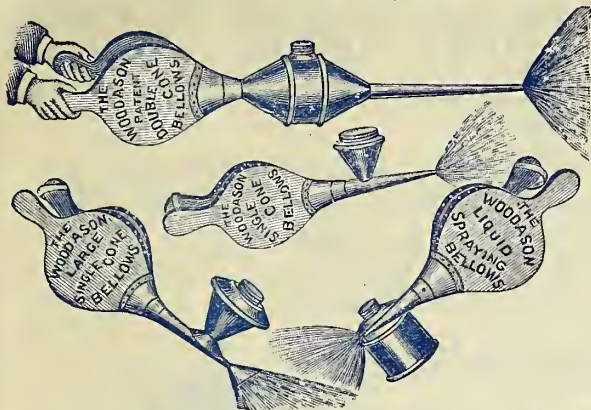
It is so arranged that no water can drip on the operator. The pump can be removed easily. The pump is also fitted with handle, so the operator can use it the same as tank with bucket pump, viz: set the knapsack on the the ground and work

pump with handle. Can be carried by hooking snap in strap on the opposite side provided for that purpose, making a neat handle, as shown by the dotted lines. The handle lever can be shifted from right to left shoulder, at will.

List price.....\$16.00 Discount for cash.....\$6.00



WOODASON'S LIQUID AND POWDER SPRAYING APPARATUS.



For the destruction of insects, rust, smut, mildew, blight, rot, etc., in houses, gardens, orchards and fields, and for spraying kerosene on cattle.

World's Fair—Highest Awards, Medals and Diplomas.

PATENT DOUBLE CONE BELLOWS.

Three feet six inches to four feet long; blows Paris Green, London Purple, Hellebore, Pyrethrum, Sulphur, Flour, Slaked Lime, Ashes, etc. Price, \$3.00.

LARGE SINGLE CONE BELLOWS.

Recommended for sulphuring green houses, and rose bushes, etc., in gardens. Price, \$2.00.

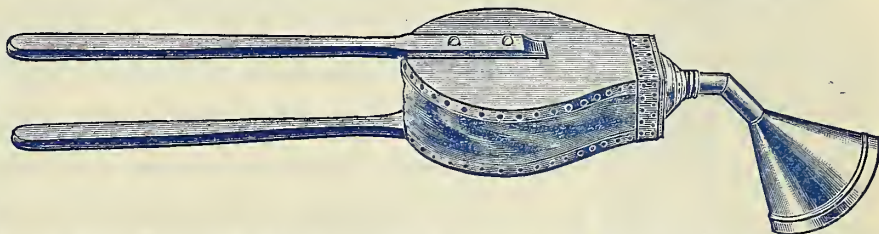
SINGLE CONE INSECT POWDER BELLOWS.

It never fails to completely destroy bugs, roaches, moths, mosquitoes, flies, fleas on dogs, lice on birds, animals and plants, etc. Price, \$1.00; size, 6 x 18 inches.

LIQUID SPRAYING BELLOWS.—The Liquid Sprayer is the article used by farmers for spraying cattle to keep off the flies, and it will do the work every time. We have a large stock of them, and should like a good agent in every town. It is also used for killing insects in gardens, orchards and fields, throwing a spray as fine as smoke, destroying insects under the leaf and every part of the bush. Poultry keepers should have one for spraying coal oil in the hen house. Price, large size, \$2.00; small size, \$1.25.

ACME POWDER GUN.

A simple practical implement for the extermination of potato bugs and all kinds of insects, flies, etc., the pests of every house and garden. It will handle all insecticides in their dry state—Pure Paris Green, Hellebore, Persian Insect Powder, etc. It is very effective in the destruction of Potato Bugs, Currant Worms and all like pests, and for the wholesale destruction of house flies, using freshly ground Persian Insect Powder, it cannot be excelled. Acme Powder Gun is well made, with a solid hardwood head block, hardwood handles, best leather for the bellows, (an extra elbow is furnished to tilt the funnel for getting under the leaves of plants and shrubs) and is well finished throughout, making a neat, attractive and serviceable implement. Every farmer should have one. Net price, \$1.00.



THE ACME ATOMIZER.

(Patent Applied For)

For spraying Paris Green and other Insecticides on Potato Vines, Shrubs, Small Trees, House Plants, Live Stock and Poultry. A great labor saver on the

farm and in every garden, barn, greenhouse, orchard and henery. It will apply the finest possible spray on any object desired and exterminate any kind of insect life. Weighs only one pound. Can hold one and one-half pints and will cover 750 hills of potatoes, and KILLS THE OLD BUGS. Well and simply made of heavy tin or brass, combined into the strongest possible shape, it cannot come apart, and easily cleans itself when turned upside down. Was thoroughly tested last season and gave universal satisfaction. Indispensable on every farm. Price, Tin, 75 cts; Brass, \$1.00; Double Tin, \$1.00.

THE LENOX SPRAYER.

For Potato Bugs, Garden, Hops, Cotton and Tobacco Fields, Orchards, Grape and Small Fruit Culture.

Made of the best Galvanized Tin and Copper; will not rust; warranted to last many years. Weight when full, 50 pounds. The straps are provided with buckles, and are adjustable to fit a boy or a man of any size. It is also provided with a fine strainer cloth at the top where the liquid enters, to prevent leaves or dirt from getting into the Sprayer, thus impossible to clog up the nozzle. Price, Galvanized, \$3.25; Copper, \$5.00.

Hotchkiss Brothers Dry Powder Gun.

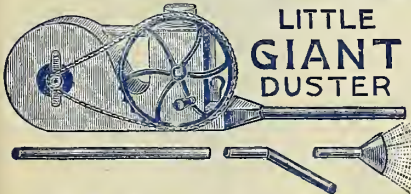
For applying clear Paris Green and other dry insecticides for destroying potato bugs and all other injurious insects. It does away with the slow, laborious process of applying mixtures in water or plaster. The process is a quick and effective way, and every farmer should obtain one of these light and easy running machines. Price, \$5.00.

LITTLE GIANT DUSTER.

For Farm, Garden, Vineyard, Tobacco Fields, Etc.

**LITTLE
GIANT
DUSTER**

Distributes Paris Green, London Purple, Hellebore, Sulphur, Lime, Fungicoid (the dry Bordeaux Mixture), Paris Green and Fungicoid Compound, Spanish Pink, Pyrethrum Powder, etc. Weighs only five pounds complete. Full length with tubes, 4 feet 8 inches. This machine keeps the poison at a safe distance from the operator. Dusts potato vines as fast as you walk. Anyone can use it. Will not get out of order or clog, and with good usage will last for years. Price, \$3.50.



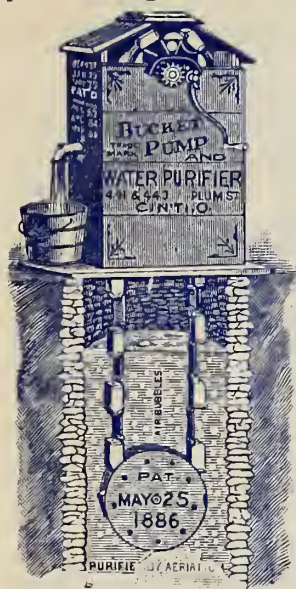
Drink Pure Water and Enjoy Good Health

| BY USING THE |

BUCKET PUMP AND WATER PURIFIER.

BEST ON EARTH FOR WELLS AND CISTERNS.

Endorsed by all Scientists and the Medical Profession as the "Grandest Water Purifier of the Age," and a preventive against CHOLERA, TYPHOID, SCARLET and MALARIAL FEVERS.



Warranted to Purify a Foul Well or Cistern in Ten Days Use.

It draws 10 gallons of water per minute. It has no tubing to rust or wear out.

It is always at its best and ready for use. It never has to be packed, primed or thawed out.

It will make bad water good and good water better.

It will not freeze, having stood the test of 38° below zero.

It will not rust, the chain and bucket being made of galvanized steel.

A ten year old boy can draw water with ease from a sixty foot well.

It can be put up in 15 minutes, as it has no attachment below the platform.

It has no wooden tubing, rubber or leather in contact with the water to contaminate it.

After years of service the same number of turns of the crank draws the same amount of water as when new.

List price for first 10 feet, \$10.00; after that 50 cents per foot; for wells over 15 feet and under 25 feet, 20% off; over 25 feet 25% off.



FURBER PUMPS.

WE ARE AGENTS FOR THE FURBER PUMPS.

It is so well known that it needs no praise of ours. We keep a large stock on hand at all times, and can offer them at very low prices, at wholesale as well as retail.

MARKET PUMP.

Made from 6x6 inch stock, 3 1-2 inch bore, for general use.

	Porcelain Lined	Unlined
6 feet long	\$ 6.50	\$ 5.00
7 "	7.00	5.50
8 "	7.50	6.00
10 "	8.50	7.00
12 "	9.50	8.00
14 "	10.50	9.00
16 "	11.50	10.00
Use 4x4 Pipe for above Pumps; per foot.....		.16
Couplings and band for above, each.....		.40

Made from 7x7 inch stock, 4 inch bore.

	Porcelain Lined.	Unlined.	Porcelain Lined.	Unlined
7 feet long.....	\$8.50	\$6.90	8 feet long	\$9.10
Use 4 1-2 x 4 1-2 inch Pipe; per foot.....				.21
Couplings and bands for the above, each .....				.40
Retail Price, 25 Per cent. off from List.				

PRICE LIST OF EXTRAS OR REPAIRS.

Extra Buckets, complete, 3 1 2 inch	\$.80	Iron Spout, each, for 6x6 Market Pumps..	\$.30
Extra Buckets, complete, 4 inch.....	1.00	Bands, each .....	.10
Extra Buckets, complete, 4 1-2 inch.....	1.35	Drop box valve for drop box lining.....	1.00
Extra handles for all pumps .....	.30	Bucket Leathers, assorted, per dozen.....	3.50
Extra Plunger-rod & Links, 10 ft. & under ..	.35	Furbers Patent Closed Bracket.....	.70
Extra Plunger-rod links.....	.25	Bucket Rubbers, each 3 1 2 inch.....	.40
Extra Check Valves, per dozen.....	1.50	Rod Couplings, malleable iron.....	.40

Leggett's Paris Green or Dry Powder Gun.

For distributing dry insecticides and fungicides. Thousands in use. Distributes Green, London Purple, Hellebore, Sulphur, Lime, "Fungeroïd," Tobacco Dust, etc. Destroys potato bugs and all other insects, and prevents blight. For the farm, orchard, vineyard and garden.

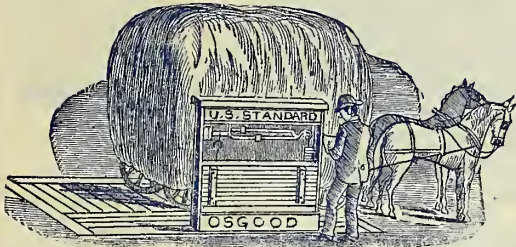
SURE, RAPID, SAFE, STRONG AND CHEAP.

Retail price, \$7.50; discount for cash, 50 cents.



Leggett's Champion Gun.

The "Osgood" U. S. Standard Coal, Hay and Farm Scales.



There is no better scale on the market than the OSGOOD. We have had one of them in constant use in our seed room for fifteen years, and it is as good apparently as when new.

Every OSGOOD Scale WARRANTED to be an accurate United States Standard Scale, and to last as long as any other Scale of like capacity in like location.

Beams (Single, Double or Combination) of extra heavy polished brass, with sliding poise.

Before buying a Scale OF ANY KIND, send for free Catalogue and Descriptive Sheet, and Discount.

PRICE LIST.

No.	Tons Capacity.	Size of Platform.	Distance from edge of platform to beam rod.	Single Beam.	Double Beam.	Triple Beam.	With Beam Box.
1	3	7x13	2 ft.	\$ 38	\$ 40	\$ 48	\$5 extra net
2	3	8x14	2 ft.	38	40	48	extra net
3	4	8x14	2 ft.	43	45	53	extra net
4	5	8x14	2 ft.	48	50	58	6 extra net
5	5	10x15	1 ft. 7 in.	50	52	60	extra net
6	6	8x15	2 ft. 6 in.	55	60	67	extra net
7	6	8x22	2 ft. 1 in.	75	80	87	extra net
8	10	8x14	2 ft.	75	80	90	8 extra net
9	10	9x18	2 ft.	90	95	105	extra net
10	10	8x22	2 ft. 1 in.	95	100	110	extra net
11	10	12x22	2 ft.	105	115	125	extra net
12	15	8x15	2 ft. 6 in.	110	120	130	extra net
13	15	8x22	2 ft. 1 in.	130	140	150	extra net

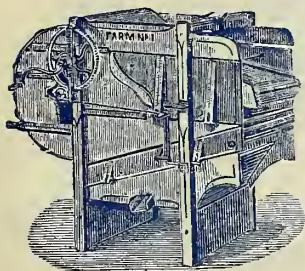
LION SHELLER.

A good Corn Sheller is something every farmer should have in his corn crib; in fact, it is almost indispensable. We can furnish any size, but the Lion shown in cut is the best adapted for farm use and for those having but a small amount of corn to shell.

Price, \$10.00; discount for cash, \$1.00.

THE CENTENNIAL FANNING MILL.

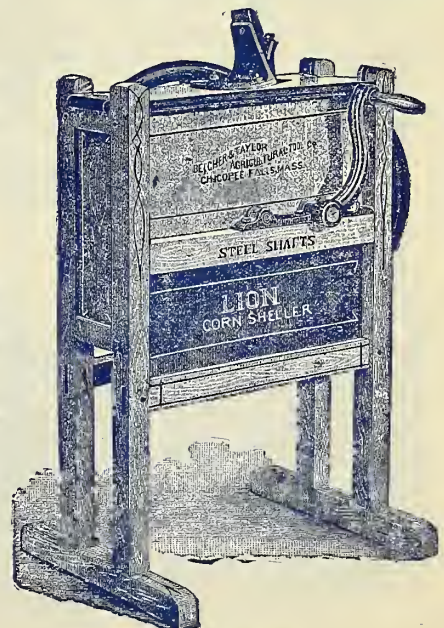
The Most Perfect Cleaner, Grader and Separator of all Grain and Seeds.



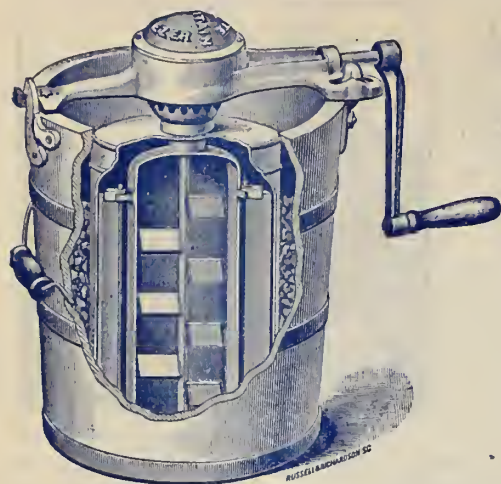
The Centennial is an excellent chaffer, having plenty of wind and shake. Having two shoes it carries more screens than any other mill in the market. It will separate oats and all seeds, such as pigeon grass, wild buckwheat, cockle, cheat, and other wild seeds from wheat at one operation.

The best mill for all purposes in the market.

List price, \$20.00; discount for cash, \$4.00.



Lion Sheller.



GARDEN BARROWS.

We have the largest stock of Barrows in the city.

All made expressly for us.

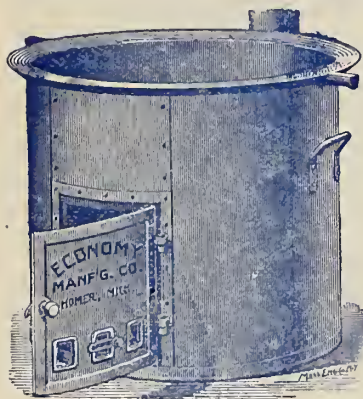
Custom Made, Best 8 Spokes, Painted and Striped.

No. 4.....Price, \$3.50.

Best 6 Spokes, Painted and Varnished.

Boy's No. 2....Price, \$2.50 No. 4.....Price, \$2.75

No. 6.....Price, \$3.25.



VICTOR LEVER FEED CUTTER.

This cutter is designed for those having a small amount of feed to cut, and is one of the best cutters made.

No. 1.	Straight Knife	.....\$4.50
No. 2.	Hawk Bill Knife	.....5.00
No. 2½	"	.....6.00
No. 3	"	.....7.00

ECONOMY BOILERS.

No farmer can afford to be without a farm boiler or large kettle of some kind. The Economy, shown in cut, is the cheapest as well as the best of any on the market. We have a full line of the Economy Manufacturing Company's goods; and a New England Agents. Circulars describing all fully will be mailed on application.

40 Gallons.....	\$13.50	Discount for cash..	\$2.50
60 Gallons.....	16.00	Discount for cash..	3.00
70 Gallons.....	18.00	Discount for cash..	4.00

"Granite State" Feed Cooker and Water Heater.

Takes the place of the old fashioned and cumbersome farm boiler or cast-iron caldron. The "Granite State" is cheaper, heats quicker, and requires less fuel. Boiler of galvanized steel; furnace of gray iron castings and sheet steel; sides of double thickness of steel with hot air space between.

Guaranteed just as represented in the illustration or money will be refunded.

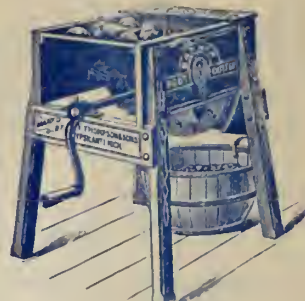
PRICES.

25 gallon, \$12.00	50 gallon, \$17.00
30 " 14.00	65 " 19.00
40 " 16.00	75 " 20.00
100 gallon, \$24.00	

THE BANNER ROOT CUTTER.

The Most Rapid Cutter Ever Invented.

Built in three sizes for both hand and power. Simple in construction; easy to operate; has self-feeder; separates dirt from cut feed; cuts with a clean cut, and does not crush, grind and tear the feed. Net price, \$10.00.

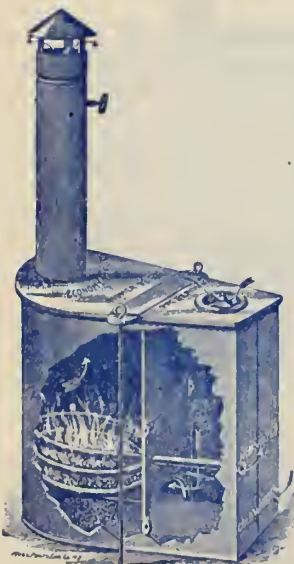
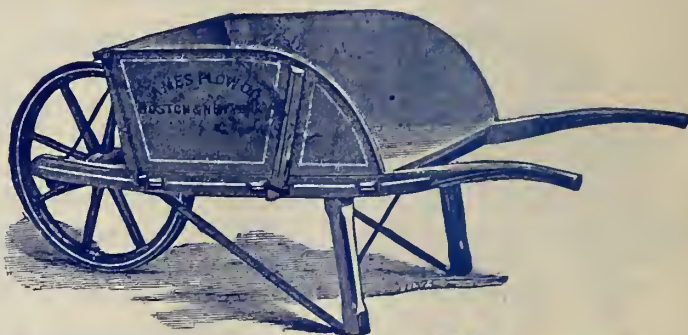


No. 20.

THE WHITE MOUNTAIN ICE CREAM FREEZER.

The Best Freezer Made—Triple Motion.

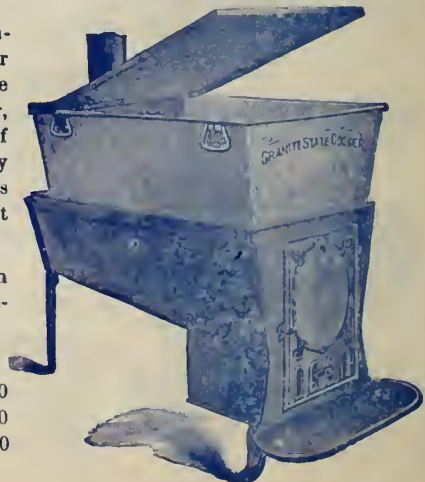
2 quart.....	Net price, \$1.60	12 quart.....	Net price, \$ 7.00
3 quart.....	Net price, 1.90	15 quart.....	Net price, 8.00
4 quart.....	Net price, \$2.40	20 quart.....	Net price, 10.50
6 quart.....	Net price, 3.00	25 quart.....	Net price, 13.00
8 quart.....	Net price, 3.80		
10 quart.....	Net price, 5.00		



Tank Heater, for burning coal, wood, or cobs. Price, \$3.50.



Oil Tank Heater, can be set in any barn without affecting insurance. \$3.00



THE MAJESTIC HIGH WHEEL, BALL BEARING LAWN MOWER.

Driving wheels 10 inches in diameter. Four revolving knives.

The superiority of Ball Bearings is now universally conceded. The only requirement being that they must be thoroughly made and perfectly hardened. In the Majestic Lawn Mower we offer a machine that in every respect is equal in workmanship to the highest grade bicycle.

The revolving knives run on twenty-eight $\frac{1}{4}$ inch cast steel balls, fourteen at each end.

The Ball Races and Adjusting Cones are also made from cast steel and perfectly hardened and ground. As a result the Mower runs easily, remains in adjustment and does better work than is possible with parallel bearings, which tend to wear out of true and allow "lost motion" to the knives.

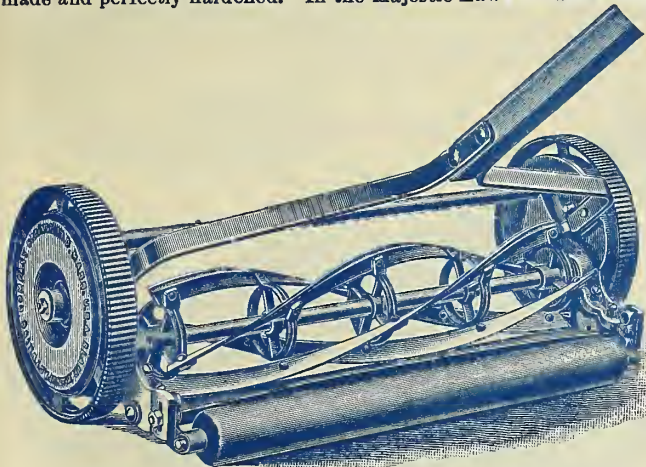
The use of Ball Bearings in a lawn mower makes necessary a rigid frame.

The frame of the Majestic is constructed with the greatest possible care, and is warranted to hold the cutting edges true and in alignment, though subjected to the hardest use.

In short, the Majestic Lawn Mower is designed for a machine of higher grade than has heretofore been attempted, and is offered as the Perfection of Lawn Mowing Machines.

Every Mower Warranted Unconditionally.

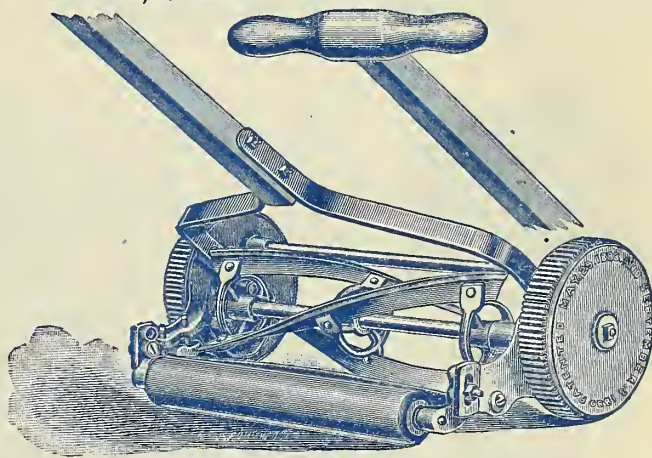
List Price, 14 inch.....	\$17 00	Net Price.....	\$ 7.00
List Price, 16 inch.....	19 00	Net Price.....	8.00
List Price, 18 inch.....	21.00	Net Price.....	9.00
List Price, 20 inch.....	23.00	Net Price.....	10.00



Majestic.

Rossmoyne Style B.—This is a high grade Mower but sold at a very low price. Every part of this machine is made of the very best materials, and the finish and workmanship is equal to any machine on the market. Examine it and you will buy it. Every machine fully warranted.

Net Price, 12 inch.....	\$3.75
Net Price, 14 inch.....	4.00
Net Price, 16 inch.....	4.25
Net Price, 18 inch.....	4.50

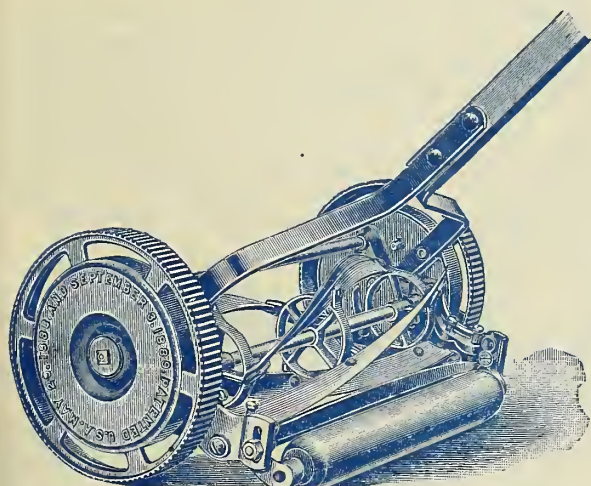


Rossmoyne Style B.

ROSSMOYNE STYLE C.

This machine is the same as Style B with a 10 inch wheel and four knives. It is all right for any lawn and is a very easy running machine.

Net Price, 12 inch.....	\$4.00
Net Price, 14 inch.....	4 50
Net Price, 16 inch.....	5.00



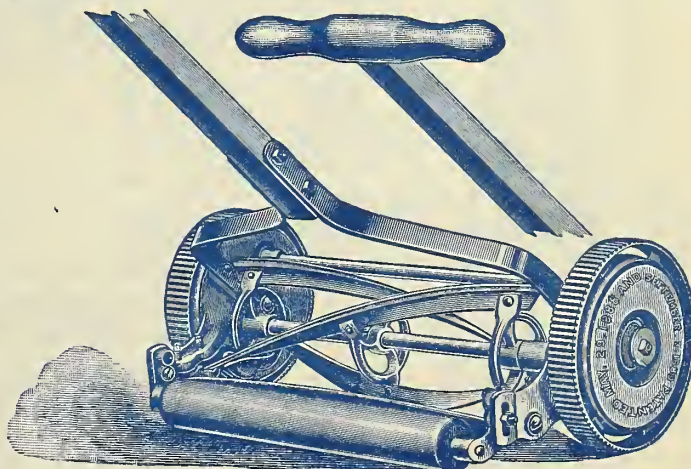
Rossmoyne Style C.

LITTLE GIANT STYLE A LAWN MOWER.

Patented.

A first class Lawn Mower at a popular price. Three revolving knives giving continuous cut. Double bearing Pinion Gear and Positive Ratchet. Flexible lower knife. Self-Sharpening. Made of best materials and fully warranted. Do not buy a low price lawn mower until you have examined the Little Giant.

Net Price, 12 inch.....	\$2 50
Net Price, 14 inch.....	2.75
Net Price, 16 inch.....	3.00



Little Giant.

GENUINE PHILADELPHIA LAWN MOWERS.

The Genuine Philadelphia outwears any other. All genuine Philadelphia bear the Philadelphia trade mark.

We take pleasure in again offering our customers for the season of 1899 the Genuine Philadelphia Lawn Mowers. That these machines are superior to all others is shown by the fact that nearly every lawn mower manufacturer is making mowers that imitate as closely as possible the Philadelphia. Genuine Philadelphia Mowers have the name of the makers cast on one wheel, and the words "Philadelphia Lawn Mower" cast on the other.

STYLE, LIST AND NET PRICES.

Style M. Solid Wiper. 7-in. Wheel.

List price, 14 inch.....	\$17.00	Net price.....	\$5.50
List price, 16 inch.....	19.00	Net price.....	6.00
List price, 18 inch.....	21.00	Net price.....	6.50

Style S. 4-Knife. Open Wiper.

Width of cut, 14 in.	Weight, 33 lbs.	List, \$17.00	Net, \$6.00
Width of cut, 16 in.	Weight, 34 lbs.	List, 19.00	Net, 6.50
Width of cut, 18 in.	Weight, 36 lbs.	List, 21.00	Net, 7.00
Width of cut, 20 in.	Weight, 40 lbs.	List, 23.00	Net, 7.50



Style A. 4-Knife. Open Wiper. 10-Inch Drive Wheel.

Width of cut, 15 in.	Weight, 39 lbs.	List, \$25.00	Net \$10.00
Width of cut, 17 in.	Weight, 42 lbs.	List, 28.00	Net, 11.00
Width of cut, 19 in.	Weight, 44 lbs.	List, 32.00	Net, 12.00
Width of cut, 21 in.	Weight, 46 lbs.	List, 34.00	Net, 13.00

Style D.

Width of cut, 12 in.	List, \$15.00	Net, \$5.00
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Model Style M.

ST. ALBANS HORSE POWERS.

We claim for this Horse Power an adaptability for farmers' use never equalled by any other power in the market. The study has been to so construct them that they should meet all their wants, and be easily adjusted to any and every use, particularly such as churning, sawing wood and cutting hay and straw for feeding cattle and horses. It has of late been fully demonstrated that the farmer makes a large saving by cutting his hay, straw, stalks or other fodder, and mixing with the same a small portion of meal; and that he also gains very largely in the better condition of his stock.

One-horse power, with speed regulator.....	\$75.00	Discount for cash.....	\$5.00
Two-horse power, with speed regulator.....	85.00	Discount for cash.....	5.00

The above prices are f. o. b. cars at factory. Rubber or leather belting at bottom prices.

THE FREEMAN STEEL WIND MILL.

This cut shows the Freeman Steel Wind Mill exactly as it is now made. It is the same design in almost every particular as when first made.

We mention this simply to call attention to the fact that time has proven the Freeman Wind Mill to be built upon correct principles, and as only the best of materials is used in its construction, our customers can feel assured that when they purchase a Freeman Wind Mill they will obtain as good a wind mill as money will buy.

In placing the Freeman Wind Mills upon the market, we did not make the error of experimenting at the expense of our customers; all experimenting was done before we solicited any orders, and consequently we have enjoyed a constantly increasing demand for our mills and towers, and have gained an enviable reputation for our line of wind mill goods.

In designing our mills, great care has been used to obtain the greatest amount of power with the least amount of friction, and to secure a governing device which would be both effective and reliable. That we have succeeded is acknowledged by all who have used our mills, and we court a thorough examination of our goods by prospective purchasers.

List Price of Steel Pumping Mills and Towers.

Diameter of Wheels.	Weights.	Painted. List Prices.	Galvanized. List Prices.
8 feet	330 lbs.	\$37.50	\$42.50
9 feet	370 lbs.	40.00	47.50
10 feet	420 lbs.	45.00	52.50
12 feet	760 lbs.	82.50	90.00

Steel Power Mills.

Diameter of Wheels.	Weights.	Painted. List Prices.	Galvanized. List Prices.
12 feet	800 lbs.	\$ 87.50	\$100.00
14 feet	1150 lbs.	120.00	140.00
16 feet	1600 lbs.	200.00	225.00

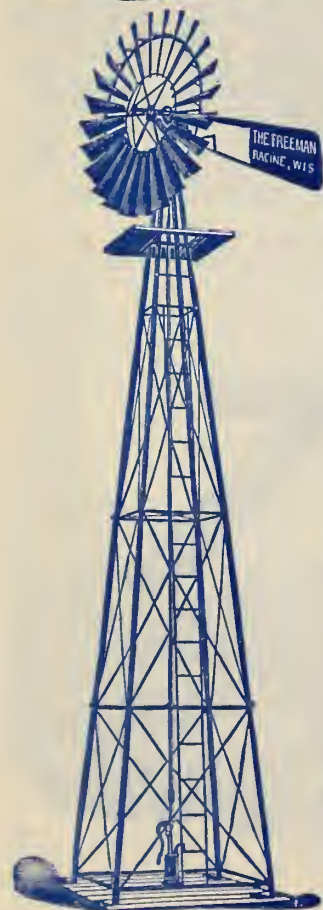
Four-Post Angle Steel Towers.

STYLE NO. 1.

For 8 foot Pumping Mills.

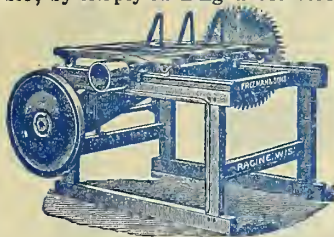
Height.	Weight.	Painted. List Prices.	Galvanized. List Prices.
20 feet	350 lbs.	\$ 25.00	\$ 28.50
30 feet	535 lbs.	36.00	42.50
40 feet	700 lbs.	47.50	58.50
50 feet	940 lbs.	60.00	78.50
60 feet	1180 lbs.	75.00	100.00
70 feet	1485 lbs.	92.50	125.00
80 feet	1800 lbs.	110.00	150.00

Send for Catalogue giving list on heavy towers and Discount.



TILTING AND SLIDING TABLE POLE AND WOOD SAWS.

The accompanying cut shows our latest improvement in this line. In these machines the power is conveyed direct to the saw arbor, from that by an endless rubber belt to the balance wheel shaft. The boxes in which the balance wheel shaft run are adjustable; by simply turning a set screw over each box the belt is tightened so that it cannot slip. We recommend these machines and guarantee them in every respect. Send for circulars showing all styles of Tilting and Sliding Frames.

**Revised List of Wood and Pole Saws.**

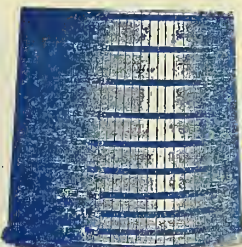
Diameter or Saws.	Tilting Table. Wood Saws.	Sliding Table. Wood Saws.	Tilting Table. Pole Saws.	Sliding Table. Pole Saws.
20 inches.....	\$40.00.....	\$42.50.....	\$47.50.....	\$50.00.....
22 ".....	42.50.....	45.00.....	50.00.....	52.50.....
24 ".....	45.00.....	47.50.....	52.50.....	55.00.....
26 ".....	47.50.....	50.00.....	55.00.....	57.50.....
28 ".....	50.00.....	52.50.....	57.50.....	60.00.....

Discount for cash, 33 $\frac{1}{3}$ % off.

Length of Stave.	Diameter.	Number of Hoops.	Weights.	Capacity in bbls.	List Prices.
5 ft.	5 ft.	4	425 lbs.	20	\$21.75
6 "	5 "	5	475 "	24	25.75
5 "	6 "	4	525 "	30	27.50
6 "	6 "	5	700 "	36	31.00
7 "	6 "	6	750 "	42	35.00
6 "	7 "	5	800 "	50	37.50
7 "	7 "	6	900 "	60	41.50
8 "	8 "	6	1000 "	80	48.50
9 "	8 "	7	1200 "	90	54.25
9 "	9 "	7	1350 "	100	58.00
10 "	9 "	7	1500 "	125	67.25
10 "	10 "	8	1650 "	155	81.25
10 "	10 "	8	1700 "	140	75.50
10 "	10 "	8	1900 "	175	89.25

Storage Tanks.

The Tanks listed are made of soft pine, free from sap, shakes and unsound knots. They are not painted and are shipped knocked down less otherwise ordered. The hoops of the round tanks are each fitted with patent tank lugs. Price of tank does not include cover.

**SOLID STEEL SCRAPERS WITH STEEL RUNNERS.**

The best and most durable Scraper for contractors and road work.

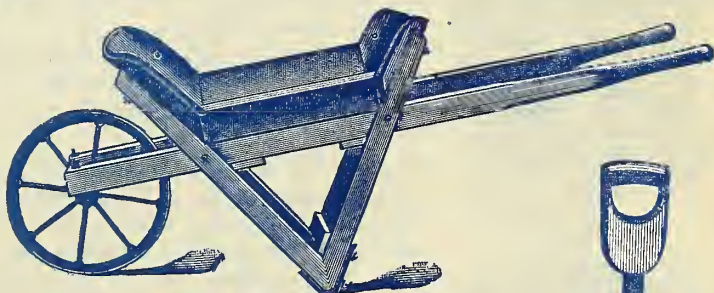
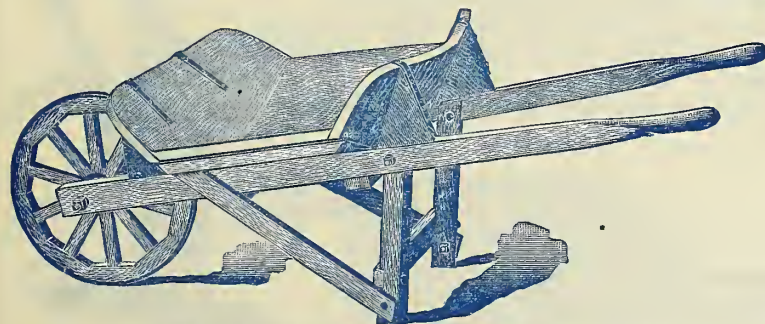
Please notice reduction in prices for 1899.

	List Price	Net Price
No. 1. Carries 7 feet of earth.....	\$16.00	\$6.00
No. 2. " 5 " ".....	15.00	5.50
No. 3. " 3 " ".....	14.00	5.00

DUMP, OR CONTRACTORS' BARROWS.

The Contractors Favorite Dump Barrow is without doubt the strongest and most durable barrow on the market. Please notice the Iron Shoe, which is unlike any other barrow. The stock used is the very best, and it is bolted throughout. We can furnish either wood or steel wheel.

Price, each, Wood Wheel....\$1.75 Per Doz.\$19.00
Price, each, Steel Wheel.... 2.00 Per Doz..... 21.00

**Contractors' Favorite.**

Common Bolted.—Price, each, \$1.50; Per Doz., \$15.00.

STEEL TRAY BARROWS.—For Foundry or General Purposes.

There are so many different styles of steel barrows it is impossible for us to describe them, but we will be pleased to send illustrated Catalogue with prices.

CONTRACTORS' PICKS.

7 lbs.....Per Dozen, \$8 00 Each, \$0.95 8 lbs.....Per Dozen, \$8.50 Each, \$1.00

RAILROAD PICKS.

5 to 6 lbs.....Per Dozen, \$6.00 Each, \$0.75 6 to 7 lbs.....Per Dozen, \$6.50 Each, \$0.80

PICK HANDLES.

2-x, 36 inch.....Per Dozen, \$2.75 1-x, 36 inch.....Per Dozen, \$2.50 No. 1.....Per Dozen, \$2.00

PICKS AND SHOVELS.

We handle Ames Shovels exclusively. Contractors supplied at bottom prices.

Ames' Best D Handles, square point, per doz., \$11.00; each, \$1.00

Ames' Best D Handle, round point, per doz., \$11.50; each, \$1.00.

Our Best D Handle, square point, per doz., \$8.00; each, 0.90.

Our Best D Handle, round point, per doz., \$8.25; each, \$0.90.

Our Sunside D Handle, square point, per doz., \$7.00; each, \$0.75.

Our Sunside D Handle, round point, per Doz. \$7.25; each, \$0.75.



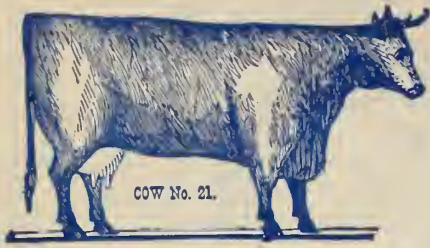


Fig. 2.

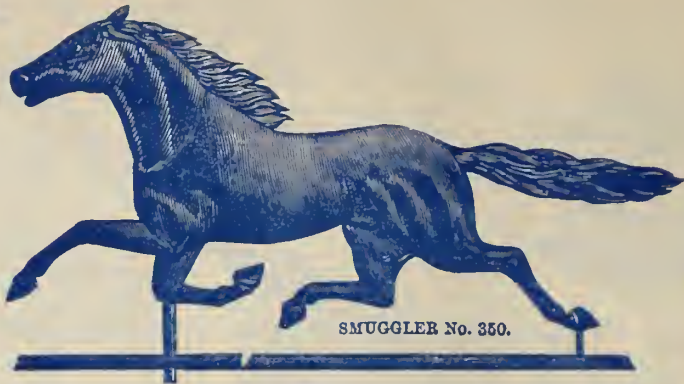


Fig. 1.

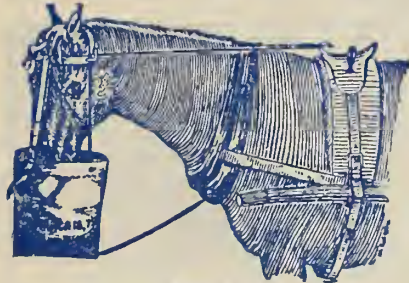


Fig. 3.



Fig. 11.

Vanes, Stable Fixtures, Feed Bags, Jacks, Hitching Posts, Etc.

Weather Vane, Smuggler, (Fig. 1) 31 inch, complete,	\$12.00
Cow, (Fig. 2) 25 inch, \$12.00; 33 inch,	24.00
Feed Bag, Whittaker's Patent, (Fig. 3) Wood Bottom, Overdraw Check, . . . . .	.75
All Canvas, . . . . .	.60
Feed Bag (Fig. 4) Iroquois Maid, Leather Bottom and Ventilator, . . . . .	.90
Iroquois Chief, (Folding Bag) Patent Pocket and Hinge Bottom,	
Leather or Galvanized Steel, Wire Ventilator,	1.00
Iroquois Brave, Patent Doweled, Rabbeted Wood Bottom, . . . . .	.75
All have Pat. Overdraw Check and Bridle, with Pulley Attachment.	
Stall Manger, (Fig. 5) The Standard Corner Cast Iron Manger,	1.25
Slow Feed, same shape,	1.50
National Feed Box (Fig 6) Slow Feed, great grain saver,	2.00
Wrought Iron Corner Rack, (Fig. 7),	1.50
Cast Iron Corner Rack, (broader),	1.00
Stall Hook, (Fig. 8), . . . . .	.50
Wrought Iron Wire Stall Guard, (Fig. 9) 72 x 24,	3.60
Wheeler Evener, (Fig. 10) Draft always comes even on both tugs, no side draft or galling. Sold on trial,	3.50
Iron Hitching Post, (Fig. 11), with chain,	1.75
Wood Hitching Post,	1.25
Wheel Jack, Lockport, (Fig. 12) four sizes, suitable for large range of work, light or heavy, No. 1, \$4.00; No. 2, \$2.25; No. 3, \$1.75; No. 4,	1.25
Giant Jack, (Fig. 13) the Standard Wood Jack, No. 0, \$2.00; No. 1, \$2.25; No. 2, \$2.75; No. 3, \$3.25.	
Smith's Cattle Stanchions, (Fig. 14) Self Adjusting Fastener, 1.25. In lots of 10, 1.15.	

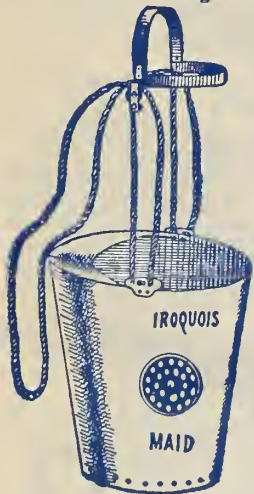


Fig. 4.

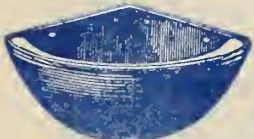


Fig. 5.



Fig. 6.

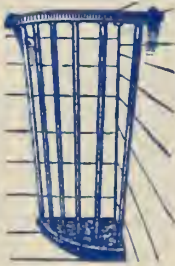


Fig. 7.



Fig. 8.

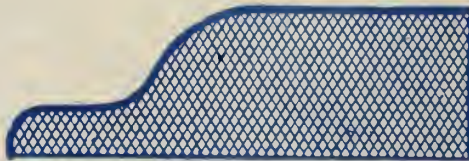


Fig. 9.



Fig. 10.



Fig. 12.

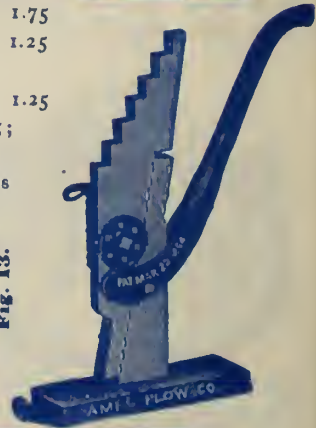
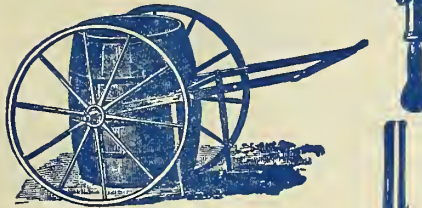
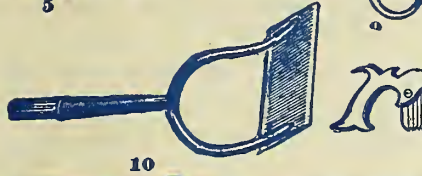


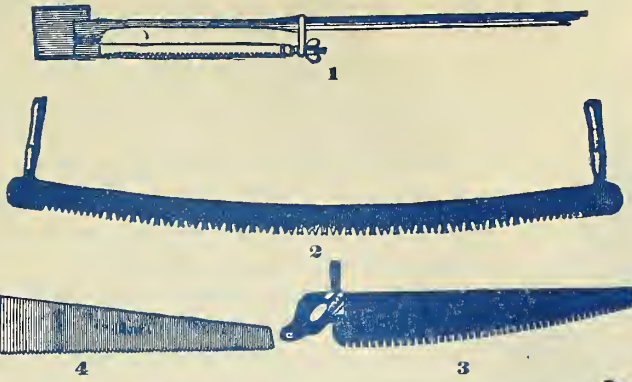
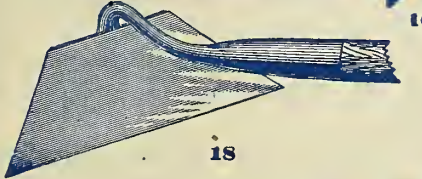
Fig. 13.



Fig. 14.

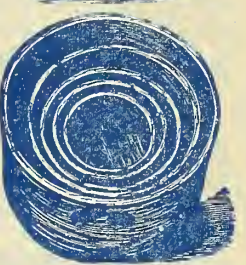
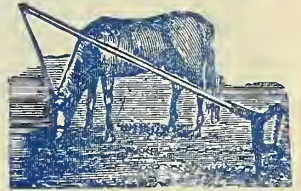


BULL RINGS.

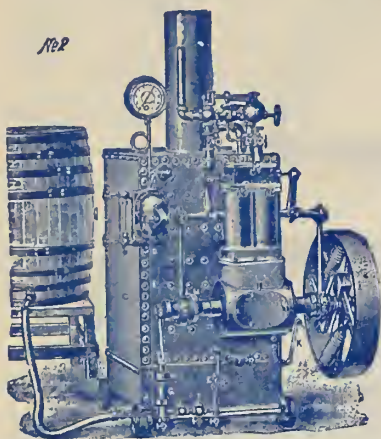


Hedge Shears, Border Knives, Scuffle Hoe, Weeders, Etc.

- Pruning Saw and Chisel, (Fig. 1). \$1.00
 One Man Saw, (Fig. 3) 3 ft., \$1.50; 3½ ft., \$1.75;
 4 ft., \$2.00; 4½ ft., \$2.25.
 Narrow Tree Saw, (Fig. 2) with handles, 4½ ft.,
 \$1.15; 5 ft., \$1.25; 5½ ft., \$1.40; 6 ft., \$1.50.
 Pruning Saw, (Fig. 4) 60 cents; Double Edged,
 Fine and Course Teeth, Straight Blade,
 60 cents; Curved Blade, 75 cents.
 Tethering Chain, (Fig. 5) with Stake, 30 ft., . . . 2.00
 Weeder,—Hazelton's, (Fig. 6),25
 Weeder—Secor, (Fig. 7),10
 Sheep Shears, (Fig. 8), used for grass,50
 Grafting Chisel, (Fig. 9),50
 Scuffle Hoe (Fig. 10), 6 in., 45 c.; 7 in., 50c.;
 8 in., 55c.; 9 in., 60c.
 French Pruning Shears, (Fig. 11),50
 Garden Syringe, Brass, (Fig. 12) No. A, 12 inch
 barrel, \$2.00; No. 12., 14 in., \$3.00; No., 2,
 14½ in., \$4.00; No. 1, Brass hydro sprayer,
 Cyclone nozzle, \$6.00.
 Hedge Shears, (Fig. 13) No. 100, 9 in., \$1.50;
 No. 101, notch in blade for large limbs, \$1.75
 Water Barrel Truck, (Fig. 14) without barrel,
 including irons,6.00
 Bull Rings, (Fig. 15) Copper, 2½ and 3 inch, . . .30
 Post Hole Digger, (Fig. 16) Gibbs patent, . . .1.50
 Scuffle Hoe,—Arlington (Fig. 17) 6, 7, 8, and 9 in.
 Sunnyside Hoe, (Fig. 18), 35c.; 3 for . . .1.00
 Combination Border Knife and Scuffle Hoe,
 (Fig. 19). Easily changed from knife to hoe, . .75
 Lawn Rake—The Queen, (Fig. 20) Wire, tinned
 60c. The Canton Wire, wood head, 40c.
 Tree Pruner—Waters' (Fig. 21), 4 ft., 90c.; 6 ft.,
 \$1.15; 8 ft., \$1.35; 10 ft., \$1.50; 12 ft., \$1.75.
 Animal Tether—Wright's Pat., (Fig. 22) animals
 cannot get entangled,2.75
 Calf Feeder, Small's, (Fig. 23), \$2.00; extra nipples, .25
 Wood Measures, Oak, (Fig. 24) Full set, sealed,
 \$1.25, 1 qt., 10c., 2 qt., 15c., 4 qt., 25c., 8 qt.,
 30c., 1-2 bush., 50c.
 Corn Tie, Holdfast, (Fig. 25), per hundred, . .1.50
 Carver's, per hundred, 60c., per thousand, . .5.00
 Paris Green Sifter, Farmer's Favorite, (Fig. 26) 1.25
 Tomato Support, (Fig. 27) Galv. Wire, Folds, . .15



THE SAFE ENGINE AND BOILER.



In presenting this engine to our customers, we do it after carefully testing and investigating in regard to the construction and durability, and we have satisfied ourselves that it is rightly named "SAFE."

This engine is especially adapted for people who are inexperienced in the use of steam. Cranks running in water and oil, with automatic water feed, and all bearings are adjusted easily. Automatic draught, Automatic Oil, and everything as simple as skill can make it.

The boilers are made from the Best Flange Steel and Extra Heavy Charcoal-Iron Lap Welded Boiler Tubes. Tested to 240 pounds pressure per square inch. There is no large body of water to deal death and destruction in case of carelessness.

FUEL: Hard or soft coal, or wood such as old rails, knots, limb-wood, anything that will burn and is not fit to use in the house or to sell will make all the steam wanted, practically speaking, at no cost to the farmer.

The fire-box takes in wood twenty inches long. One can use soft or hard coal equally as well.

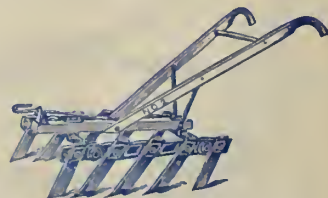
List, 2 Horse, \$200.00; 5 Horse, \$290.00; 6 Horse, \$325.00; 8 Horse, \$375.00; 10 Horse, \$450.00.

THE BUCKLEY PATENT ICE PLOW.

This Plow is designed for farmers and small ice dealers. It is a perfect plow in every way; we have tested it thoroughly and find it fills the bill in every case.

No. 2. This Plow is designed for icemen. It is made heavier than No. 1, has six teeth, cut $\frac{7}{8}$ of an inch on each side at a time, equal to $1\frac{3}{4}$ inches on a single groove; will cut 7 inches deep. Size of cake 16 to 22 inches. Capacity from 40 to 70 tons an hour. Price, \$20.00.

No. 1. This Plow is designed to meet the demand for a low priced and efficient Ice Cutter for farmers and diarmen. It has an iron frame, four teeth, cuts two grooves at one cut, each $\frac{5}{8}$ of an inch at a time, equal to $1\frac{1}{4}$ inches on a single groove. Will cut $6\frac{3}{4}$ inches deep. Size of cake, 16 to 22 inches. Capacity, 30 to 50 tons an hour. Price, \$16.00.



No. 2.

PERFECTION CHEESE SAFES.

E. W. COFFIN, Inventor and Manufacturer.



In offering these Cheese Safes to our customers, we do so with positive knowledge that they are the best, most economical safe ever offered to those who keep cheese, and the many testimonials of satisfaction they are giving are proof that we have made no mistake in the name we have chosen for the safe. This safe is made to open back of the counter, which prevents the cutting and picking off the profits so often lost where the cheese can be got at from the front, thereby making the keeping of cheese a good investment, where, in the old style box used there was little or no profit to be had.

The safe is fly proof and is made of glass instead of wire preventing the cheese from drying, and is always in sight of your customer, who is invited to buy, and will do so many times, when, if the cheese was out of sight, would not think of doing so, thereby increasing your sales to a large profit at the end of the year.

These safes are made in the best of style with *turn table* for the cheese and are very ornamental and add much to the looks of any store. They are packed in such a way that they can be shipped with safety.

Price, \$5.00.

WEIGHTS OF GRASS AND FIELD SEEDS AND QUANTITIES SOWN PER ACRE.

		WEIGHTS.	QUANTITY SOWN PER ACRE.			WEIGHTS.	QUANTITY SOWN PER ACRE.
Timothy	per bush.,	45 lbs.	1-2 bush.	Sweet Vernal	per bush.,	11 lbs.	3 bush.
Clover, Red	"	60 lbs.	15 to 20 lbs.	Sheep Fescue	"	12 lbs.	2 bush.
Clover, White	"	60 lbs.	10 to 15 lbs.	Tall Fescue	"	15 lbs.	2 1-2 to 3 bush.
Clover, Alsike	"	60 lbs.	8 to 10 lbs.	Tall Oat Grass	"	12 lbs.	4 bush.
Clover, Alfalfa	"	60 lbs.	15 to 20 lbs.	Wood Meadow	"	14 lbs.	2 bush.
Red Top	per sack,	50 lbs.	2 1-2 to 3 bush.	Yellow Oat Grass	"	8 lbs.	4 bush.
Red Top	per bush.,	10 lbs.	2 1-2 to 3 bush.	Buckwheat	"	48 lbs.	1-2 to 1 bush.
Red Top, Fancy	"	"	10 to 15 lbs.	Barley	"	48 lbs.	2 to 3 bush.
Bent, R. I.	per bush.,	10 lbs.	3 bush.	Oats	"	32 lbs.	2 to 3 bush.
Bent, Fancy	"	"	10 to 25 lbs.	Rye	"	56 lbs.	1 1-2 bush.
Blue Grass	per bush.,	14 lbs.	2 to 3 bush.	Wheat	"	60 lbs.	1 1-2 bush.
Fowl Meadow	"	11 lbs.	1 to 2 bush.	Flax	"	56 lbs.	1 to 2 bush.
Hungarian	"	48 lbs.	1-2 to 1 bush.	Canary	"	60 lbs.	"
Lawn Seed	"	16 lbs.	3 to 4 bush.	Hemp	"	40 lbs.	"
Millet, American	"	50 lbs.	1-2 to 1 bush.	Rape	"	50 lbs.	"
Millet, German	"	50 lbs.	1-2 to 1 bush.	Beans, White	"	60 lbs.	1 to 1 1-2 bush.
Millet, Golden	"	50 lbs.	1-2 to 1 bush.	Beans, Red Kidney	"	58 lbs.	1 to 1 1-2 bush.
Orchard Grass	"	14 lbs.	2 to 3 bush.	Beans, Fancy Seed, measured bush.,	"	"	1 to 1 1-2 bush.
Crested Dog's Tail	"	28 lbs.	1 bush.	Corn, Sweet, measured bushel,	"	"	8 to 10 quarts.
Hard Fescue	"	14 lbs.	2 bush.	Corn, Ensilage, measured bushel	"	"	3 bush.
Italian Rye Grass	"	18 lbs.	3 bush.	Corn, Field	per bush.,	56 lbs.	8 to 12 quarts.
Meadow Fescue	"	15 lbs.	2 1-2 to 3 bush.	Peas, Canada Field	"	60 lbs.	1 1-2 to 3 bush.
Meadow Foxtail	"	8 lbs.	3 bush.	Peas, Green Field	"	60 lbs.	1 1-2 to 3 bush.
Perennial Rye Grass	"	24 lbs.	2 bush.	Peas, Fancy Seed, measured bushel	"	"	1 1-2 to 3 bush.
Rough Stalked Meadow	"	14 lbs.	2 bush.				

QUANTITY OF SEED REQUIRED TO SOW AN ACRE OF GROUND.

		QUANTITY PER ACRE			QUANTITY PER ACRE.
Artichoke, 1 oz. to 500 plants		1-2 lb.	Martynia, 1 oz. to 50 feet of drill		10 lbs.
Asparagus, 1 oz. to 200 plants		5 lbs.	Melon, Musk, 1 oz. to 100 hills		1 3-4 lbs.
Beans, dwarf, 1 quart to 150 feet of drill		1 1-4 bush.	Melon, Water, 1 oz. to 25 hills		1 1-2 lbs.
Beans, pole, 2 quarts to 200 hills		1-2 bush.	Nasturtium, 1 oz. to 50 feet of drill		10 lb.
Beet, garden, 1 oz. to 100 feet of drill		10 lbs.	Okra, 1 oz. to 50 feet of drill		10 lb.
Beet, Mangel, 1 oz. to 150 feet of drill		6 lbs.	Onion Seed, 1 oz. to 200 feet of drill		4 to 5 lbs.
Broccoli, 1 oz. to 3,000 plants		5 oz.	Onion Seed for Sets		30 to 50 lbs.
Broom Corn		10 lbs.	Onion Sets, 1 qt. to 20 feet of drill		8 bush.
Brussels Sprouts, 1 oz. to 3,000 plants		5 oz.	Parsnip, 1 oz. to 250 feet of drill		5 lbs.
Cabbage, 1 oz. to 3,000 plants		5 oz.	Parsley, 1 oz. to 250 feet of drill		8 lbs.
Carrot, 1 oz. to 150 feet of drill		2 1-2 lbs.	Peas, garden, 1 qt. to 150 feet of drill		1 1-2 bush.
Cauliflower, 1 oz. to 3,000 plants		5 oz.	Pepper, 1 oz. to 1,500 plants		4 oz.
Celery, 1 oz. to 10,000 plants		4 oz.	Potatoes		8 bush.
Collards, 1 oz. to 2,500 plants		6 oz.	Pumpkins, 1 quart to 300 hills		4 qts.
Corn, sweet, 1 quart to 500 hills		8 qts.	Radish, 1 oz. to 150 feet of drill		8 lbs.
Cress, 1 oz. to 150 feet of drill		8 lbs.	Rye		1 1-2 bush.
Cucumber, 1 oz. to 80 hills		1 1-4 lbs.	Salsify, 1 oz. to 60 feet of drill		8 lbs.
Egg Plant, 1 oz. to 2,000 plants		8 oz.	Spinach, 1 oz. to 150 feet of drill		10 lbs.
Endive, 1 oz. to 300 feet of drill		3 lbs.	Summer Savory, 1 oz. to 500 feet of drill		2 lbs.
Flax, broadcast		1-2 bush.	Squash, Summer, 1 oz. to 40 hills		2 lbs.
Kale, 1 oz. to 3,000 plants		4 oz.	Squash, Winter, 1 oz. to 10 hills		3 lbs.
Kohlrabi, 1 oz. to 200 feet of drill		1 1-2 lbs.	Tomato, 1 oz. to 3,000 plants		3 oz.
Leek, 1 oz. to 250 feet of drill		4 lbs.	Tobacco, 1 oz. to 5,000 plants		2 oz.
Lettuce, 1 oz. to 250 feet of drill		3 lbs.	Turnip, 1 oz. to 250 feet of drill		1 1-2 lbs.

NUMBER OF PLANTS, TREES, ETC., REQUIRED TO SET AN ACRE.

DISTANCE	NUMBER	DISTANCE	NUMBER
1 foot by 1	43,60	6 feet by 6 feet	1,210
1 1-2 " 1 1-2 "	19,360	8 " 8 "	680
2 " 1 "	21,780	10 " 10 "	434
2 " 2 "	10,890	12 " 12 "	302
2 1-2 " 2 1-2 "	6,970	15 " 15 "	194
3 " 1 "	14,520	18 " 18 "	134
3 " 2 "	7,260	20 " 20 "	103
3 " 3 "	4,840	25 " 25 "	70
4 " 4 "	2,722	30 " 30 "	40
5 " 5 "	1,742	40 " 40 "	27

WEIGHT OF VARIOUS ARTICLES.

Apples	Per bush.,	48 lbs.	Sweet Potatoes	Per bush.,	56 lbs.
Apples, Dried	"	22 "	Turnips	"	58 "
Barley	"	48 "	Beef and Pork per bbl., net	"	200 "
Broom Corn	"	46 "	Flour, per bbl., net	"	196 "
Bran	"	20 "	White Fish and Trout, per bbl., net	"	200 "
Corn on ear	"	70 "	Salt, per bbl.	"	280 "
Corn Meal	"	50 "	Lime, per bbl.	"	220 "
Charcoal	"	22 "	Hay, well settled, per cubic foot	"	4 1-2 "
Coal, Mineral	"	80 "	Corn, on cob, in bin	"	22 "
Cranberries	"	40 "	Corn, shelled	"	45 "
Dried Peaches	"	28 "	Wheat	"	48 "
Irish Potatoes, heaping measure	"	60 "	Oats	"	25 1-2 "
Malt	"	38 "	Potatoes	"	38 1-2 "
Osage Orange	"	33 "	Sand, Dry	"	95 "
Onions	"	54 "	Clay, Compact,	"	135 "
Plastering Hair	"	8 "	Marble	"	169 "
Salt, Coarse	"	50 "	Seasoned Beech Wood, per cord	"	5,616 "
Salt, Michigan	"	56 "	Seasoned Hickory,	"	6,960 "

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Thoroughbred Poultry and Eggs for Hatching.

THERE is no one branch of farming that pays a larger profit for the money invested than the poultry, provided you have good stock to breed from. We are getting as many eggs in January from our fowls as most people do in March and April. It pays to keep only good, pure-bred stock. We are constantly improving our pens by introducing new blood, and our White Wyandottes and Barred Plymouth Rocks are as good as any in the country, but we furnish eggs at popular prices. All eggs will be carefully packed and delivered to express office at prices quoted. Our poultry house is fitted up after the most improved methods for health and convenience. Visitors are welcome.

WHITE WYANDOTTES.

This comparatively new and beautiful breed is our favorite and is acknowledged by the leading papers and poultry handlers as standing at the head for both eggs or poultry, while but few breeds surpass



A Pair of White Wyandottes.

them for beauty, their beautiful pure white plumage together with their rich yellow legs and red faces and ear lobes, makes them very attractive. They are great winter layers when eggs bring double what they do in the spring; and for all purposes they are unequalled. Eggs per setting, \$2.00, or two settings \$3.00. Send for special prices by the hundred for incubators.

A Few Cockerells and Pullets for Sale at Reasonable Prices.

BARRED PLYMOUTH ROCKS.

With the exception of the above there is no breed that stands as high as these, they need no description for they are too well known. We have some very fine birds and when we state that we have Perry's Strain we have said enough. As our stock is limited please order early.

Price per Setting, \$2.00, three settings, \$5.00.

WHITE AND BROWN LEGHORNS.

We have made arrangements with one of our customers to furnish eggs from these two well known breeds, and where poultry is kept for eggs; they cannot be beat. His birds are bred up for large size and large eggs and equal to any in the state.

Price per setting, \$1.50, three settings, \$4.00.



Seeds

For the

Farm,
Garden,
Lawn.

View of a Field of Grass grown from our Seeding-down Mixture, over 4 tons per acre.



Top dressed
with Mape's
Fertilizer.

B.T.E

This Corn

Will
Produce
More Tons
of Ensilage
Per Acre
Than any
other
Known
Variety.

Field of our "EUREKA ENSILAGE CORN" reproduced from photograph.
✕ 38 tons to the acre. Height, 17 1-2 feet. For further particulars
✕ and price see page 9 of Specialties in front of book.